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OM protein - protein search, using sw model

Run on: April 16, 2003, 13:03:32 ; Search time 14 seconds  
(without alignments)  
399.311 Million cell updates/sec

Title: US-09-895-298A-83

Perfect score: 190  
Sequence: 1 MKNFPPSKAMRASQWTFP.....HGSLIDRSRVSQGNPRA 190

Scoring table:  
Gapop 60.0 , Gapext 60.0

Searched: 262574 seqs, 29222922 residues

Word size: 4

Total number of hits satisfying chosen parameters: 34763

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database: Issued Patents AA:

1: /cgn2.6/prodata/1/aa/5A.COMB.pep:\*  
2: /cgn2.6/prodata/1/aa/5B.COMB.pep:\*  
3: /cgn2.6/prodata/1/aa/6A.COMB.pep:\*  
4: /cgn2.6/prodata/1/aa/6B.COMB.pep:\*  
5: /cgn2.6/prodata/1/aa/PCUS.COMB.pep:\*  
6: /cgn2.6/prodata/1/aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	7	3.7	486	4	US-09-291-922-10
2	6	3.2	15	4	US-08-602-999A-379
3	6	3.2	15	4	US-09-500-124-379
4	6	3.2	19	4	US-08-928-213B-131
5	6	3.2	46	4	US-08-865-468-7
6	6	3.2	53	4	US-09-345-293-4
7	6	3.2	87	2	US-08-477-451-45
8	6	3.2	132	1	US-08-392-419-4
9	6	3.2	143	4	US-09-134-001C-3963
10	6	3.2	145	4	US-09-134-001C-5194
11	6	3.2	151	4	US-08-858-207A-400
12	6	3.2	178	4	US-09-228-986-94
13	6	3.2	195	1	US-09-134-001C-4994
14	6	3.2	195	1	US-08-063-552-9
15	6	3.2	196	4	PCT-US93-0504-9
16	6	3.2	208	2	US-09-345-293-3
17	6	3.2	208	2	US-08-531-525-15
18	6	3.2	208	2	US-08-718-270A-15
19	6	3.2	274	4	US-09-185-501B-15
20	6	3.2	288	4	US-09-438-833-9
21	6	3.2	303	4	US-09-438-833-10
22	6	3.2	303	4	US-09-420-766A-3
23	6	3.2	312	2	US-09-031-485-2
24	6	3.2	312	2	US-08-847-429A-2
25	6	3.2	312	3	US-09-055-474-2
26	6	3.2	312	4	US-09-517-074-2
27	6	3.2	313	3	US-08-926-842B-62

28	6	3.2	314	4	US-09-710-099-4	Sequence 4, Appl
29	6	3.2	314	4	US-09-710-099-12	Sequence 12, Appl
30	6	3.2	317	1	US-07-866-979-6	Sequence 6, Appl
31	6	3.2	317	1	US-08-671-525B-2	Sequence 2, Appl
32	6	3.2	317	1	US-08-672-109B-2	Sequence 2, Appl
33	6	3.2	317	2	US-08-842-045-2	Sequence 2, Appl
34	6	3.2	317	2	US-08-466-906B-6	Sequence 6, Appl
35	6	3.2	317	2	US-08-842-238-2	Sequence 2, Appl
36	6	3.2	317	2	US-08-706-781A-6	Sequence 2, Appl
37	6	3.2	317	2	US-08-629-335B-2	Sequence 2, Appl
38	6	3.2	317	3	US-09-201-746-6	Sequence 6, Appl
39	6	3.2	317	4	US-09-097-231-6	Sequence 6, Appl
40	6	3.2	317	4	US-08-870-511-4	Sequence 4, Appl
41	6	3.2	317	4	US-08-387-805-2	Sequence 2, Appl
42	6	3.2	327	1	US-08-748-068-2	Sequence 2, Appl
43	6	3.2	330	4	US-09-232-200-51	Sequence 51, Appl
44	6	3.2	330	4	US-09-232-197-51	Sequence 51, Appl
45	6	3.2	330	4	US-09-232-197-51	Sequence 51, Appl

#### ALIGNMENTS

RESULT 1  
US-09-291-922-10  
Sequence 10, Application US/09291922  
Patent No. 6383776  
GENERAL INFORMATION:  
APPLICANT: Allen, Steve  
APPLICANT: Hitz, Bill  
APPLICANT: Kinney, Tony  
APPLICANT: Tinney, Scott  
TITLE OF INVENTION: Plant Sugar Transport Proteins  
FILE REFERENCE: BB-1163  
CURRENT APPLICATION NUMBER: US/09/291,922  
CURRENT FILING DATE: 1999-04-14  
EARLIER APPLICATION NUMBER: 60/083,044  
EARLIER FILING DATE: April 24, 1998  
NUMBER OF SEQ ID NOS: 30  
SOFTWARE: Microsoft Office 97  
SEQ ID NO 10  
LENGTH: 486  
TYPE: PRT  
ORGANISM: Glycine max  
US-09-291-922-10

Query Match 3.7% Score 7; DB 4; Length 486;  
Best Local similarity 100.0%; Pred. No. 39;  
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 148 AMPSSLV 154  
DB 41 AMPSSLV 47

RESULT 2  
US-08-602-999A-379  
Sequence 379, Application US/08602999A  
Patent No. 6184205  
GENERAL INFORMATION:  
APPLICANT: SPARKS, Andrew B.  
APPLICANT: KAY, Brian K.  
APPLICANT: THORN, Judith M.  
APPLICANT: OULLIAM, Lawrence A.  
APPLICANT: DER, Channing J.  
APPLICANT: FOWLES, Dana M.  
APPLICANT: RIDER, James E.  
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
NUMBER OF SEQUENCES: 467  
CORRESPONDENCE ADDRESS:  
STREET: 1155 Avenue of the Americas

CITY: New York  
 STATE: New York  
 COUNTRY: U.S.A.  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/602,999A  
 FILING DATE: 16-FEB-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Mistrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 1101-202  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8864  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 379:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-602-999A-379

Query Match 3.2% Score 6; DB 4; Length 15;  
 Best local similarity 100.0%; Pred No. 18;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 53 RGLPLF 58  
 DB 5 RGLPLF 10

RESULT 3  
 US-09-500-124-379  
 Sequence 379, Application US/09500124  
 Patent No. 6432620  
 GENERAL INFORMATION:  
 APPLICANT: SPARKS, Andrew B.  
 APPLICANT: RAY, Brian K.  
 APPLICANT: THORN, Judith M.  
 APPLICANT: OULLIAM, Lawrence A.  
 APPLICANT: DEER, Channing J.  
 APPLICANT: FOWLER, Dana M.  
 APPLICANT: RIDER, James E.  
 TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF  
 TITLE OF INVENTION: ISOLATING AND USING SAME  
 NUMBER OF SEQUENCES: 67  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Penile & Edwards  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/500,124  
 FILING DATE:  
 CLASSIFICATION:  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: 08/602,999  
 FILING DATE: 16-FEB-1996  
 ATTORNEY/AGENT INFORMATION:

NAME: Mistrock, S. Leslie  
 REGISTRATION NUMBER: 18,872  
 REFERENCE/DOCKET NUMBER: 1101-202  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8864  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 379:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 15 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-09-500-124-379

Query Match 3.2% Score 6; DB 4; Length 15;  
 Best local similarity 100.0%; Pred No. 18;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 53 RGLPLF 58  
 DB 5 RGLPLF 10

RESULT 4  
 US-08-928-213B-131  
 Sequence 131, Application US/08928213B  
 Patent No. 6238905  
 GENERAL INFORMATION:  
 APPLICANT: McHenry, Charles S.  
 Cull, Mark G.  
 TITLE OF INVENTION: NOVEL THERMOPHILIC POLYMERASE III  
 NUMBER OF SEQUENCES: 195  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: MEDLER & CARROLL, LLP  
 STREET: 220 Montgomery Street, Suite 2200  
 CITY: San Francisco  
 STATE: CA  
 COUNTRY: USA  
 ZIP: 94104

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/928,213B  
 FILING DATE: 12 SEP 1997  
 CLASSIFICATION: (unknown)  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Marknight, Kentin T.  
 REGISTRATION NUMBER: 38,230  
 REFERENCE/DOCKET NUMBER: ENZYCO-02550  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 415-705-8410  
 TELEFAX: 415-397-8338  
 INFORMATION FOR SEQ ID NO: 131:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 19 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: not relevant  
 TOPOLOGY: not relevant  
 MOLECULE TYPE: protein  
 SEQUENCE DESCRIPTION: SEQ ID NO: 131:

US-08-928-213B-131

Query Match 3.2% Score 6; DB 4; Length 19;  
 Best local similarity 100.0%; Pred No. 22;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 56 PLFIHS 61

DB 1 PLFTHS 6

RESULT 5  
US-08-865-468-7  
Sequence 7, Application US/08865468  
Patent No. 6248869  
GENERAL INFORMATION:  
APPLICANT: Dade International Inc.  
INVENTOR: Kojana, Nimal A.  
TITLE OF INVENTION: TROPONIN I FORMS AND USE OF SAME  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Dade International Inc.  
STREET: 1717 Deerfield Road  
CITY: Deerfield  
STATE: Illinois  
COUNTRY: US  
ZIP: 60015  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/865,468  
FILING DATE: 29 May 1997  
CLASSIFICATION: 530  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: WINSTON, LOIS K.  
REGISTRATION NUMBER: 39,074  
REFERENCE/DOCKET NUMBER: DA-9018  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (708) 267-5364  
TELEFAX: (708) 267-5376  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 46 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-865-468-7

Query Match 3.2%; Score 6; DB 4; Length 46;  
Best Local Similarity 100.0%; Pred. No. 49;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 173 GSLDR 178  
DB 10 GSLDR 15

RESULT 6  
US-09-345-293-4  
Sequence 4, Application US/09345293A  
Patent No. 6380382  
GENERAL INFORMATION:  
APPLICANT: Rhodocyst, Mehron  
TITLE OF INVENTION: No. 6380382a1 Gene Encoding a Protein Having Diagnostic,  
Title of Invention: Preventive, Therapeutic, and Other Uses  
FILE REFERENCE: 10147-12  
CURRENT APPLICATION NUMBER: US/09/345,293A  
NUMBER OF SEQ ID NOS: 11  
SOFTWARE: Patent Ver. 2.0  
SEQ ID NO: 4  
LENGTH: 53  
TYPE: PPT

ORGANISM: Homo sapiens  
US-09-345-293-4

Query Match 3.2%; Score 6; DB 4; Length 53;  
Best Local Similarity 100.0%; Pred. No. 56;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 150 PSSYL 155  
DB 30 PSSYL 35

RESULT 7  
US-08-477-451-45  
Sequence 45, Application US/08477451  
Patent No. 5928665  
GENERAL INFORMATION:  
APPLICANT: Covacc, Antonello  
TITLE OF INVENTION: Helicobacter Pylori CagI Region  
NUMBER OF SEQUENCES: 46  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Chiron Corporation  
STREET: 4560 Horton Street  
CITY: Emeryville  
STATE: CA  
COUNTRY: USA  
ZIP: 94608-2026  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/477,451  
FILING DATE: 07-JUN-1995  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: McClung, Barbara G.  
REGISTRATION NUMBER: 33,113  
REFERENCE/DOCKET NUMBER: 0335,002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 510-601-2708  
TELEFAX: 510-655-3542  
INFORMATION FOR SEQ ID NO: 45:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 87 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-477-451-45

Query Match 3.2%; Score 6; DB 2; Length 87;  
Best Local Similarity 100.0%; Pred. No. 87;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 93 FILTL 98  
DB 42 FILTL 47

RESULT 8  
US-08-392-419-4  
Sequence 4, Application US/08392419  
Patent No. 5624659  
GENERAL INFORMATION:  
APPLICANT: Singer, Darrell D.  
TITLE OF INVENTION: Method of Treatment  
NUMBER OF SEQUENCES: 8  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Kenneth D. Shibley  
STREET: P.O. Drawer 34009

CITY: Charlotte  
STATE: No. 5624659th Carolina  
COUNTRY: USA  
ZIP: 28234  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/392,419  
FILING DATE:  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/033,827  
FILING DATE: 15-MAR-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Sibley, Kenneth D.  
REGISTRATION NUMBER: 31,665  
REFERENCE/DOCKET NUMBER: 5405-90  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 913-881-2120  
FAX: 913-881-2125  
INFORMATION NO: 350 ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 132 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
US-08-392-419-4

Query Match 3.2% Score 6: DB 1: Length 132;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6: Conservative 0; Mismatches 0; Indels 0;

OY 102 IYLYW 107  
DB 55 IYLYW 60

RESULT 9  
US-09-134-001C-3963  
Sequence 3963, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 3963  
LENGTH: 143  
TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-3963

Query Match 3.2% Score 6: DB 4: Length 143;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 19 PFIFLL 24  
DB 14 PFIFLL 19

RESULT 10  
US-09-134-001C-5194

Sequence 5194, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 5194  
LENGTH: 145  
TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-5194

Query Match 3.2% Score 6: DB 4: Length 145;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6: Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 149 NPSSLY 154  
DB 37 NPSSLY 42

RESULT 11  
US-08-858-207A-400  
Sequence 400, Application US/08858207A  
Patent No. 6348328  
GENERAL INFORMATION:  
APPLICANT: Black, Michael  
APPLICANT: Hodgson, John  
APPLICANT: Knowles, David  
APPLICANT: Nicholas, Richard  
APPLICANT: Stodola, Robert  
TITLE OF INVENTION: No. 6348328el Compounds  
NUMBER OF SEQUENCES: 552  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Smithline Beecham Corporation  
STREET: 709 Swedeland Road  
CITY: King of Prussia  
STATE: PA  
COUNTRY: USA  
ZIP: 19406-0939  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/858,207A  
FILING DATE: 09-MAY-1997  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 60/017670  
FILING DATE: 14-MAY-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Glumel, Edward R.  
REGISTRATION NUMBER: 38,891  
REFERENCE/DOCKET NUMBER: P50475  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-270-4478  
TELEFAX: 610-270-5090  
TELEX:  
INFORMATION FOR SEQ ID NO: 400:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 146 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: No. 6348328e  
US-08-858-207A-400

Query Match 3.2%; Score 6; DB 4; Length 146;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 173 GSIDLK 178  
|||||  
DB 81 GSIDLK 86

RESULT 12  
US-09-228-986-94  
Sequence 94, Application US/09228986  
Patent No. 6359198  
GENERAL INFORMATION:  
APPLICANT: Strubala, Timothy  
APPLICANT: Nieuwenhuizen, Niels  
TITLE OF INVENTION: Compositions isolated from Plant Cells  
TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signalling  
FILE REFERENCE: 11000/1020  
CURRENT APPLICATION NUMBER: US/09/228,986  
CURRENT FILING DATE: 1999-01-12  
NUMBER OF SEQ ID NOS: 130  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 94  
LENGTH: 151  
TYPE: PR  
ORGANISM: Pinus radiata  
US-09-228-986-94

Query Match 3.2%; Score 6; DB 4; Length 151;  
Best Local Similarity 100.0%; Pred. No. 1.4e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 174 SLDLRS 179  
|||||  
DB 102 SLDLRS 107

RESULT 13  
US-09-134-001C-4994  
Sequence 4994, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: CTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
CURRENT FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
PRIOR FILING DATE: 1997-08-14  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 4994  
LENGTH: 178  
TYPE: PR  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-4994

Query Match 3.2%; Score 6; DB 4; Length 178;  
Best Local Similarity 100.0%; Pred. No. 1.7e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 135 IRLKIK 140  
|||||  
DB 157 IRLKIK 162

RESULT 14  
US-08-063-552-9  
Sequence 9, Application US/08063552  
Patent No. 5688936  
GENERAL INFORMATION:  
APPLICANT: Edwards, Robert H  
TITLE OF INVENTION: Vesicle Membrane Transport Proteins  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheldon & Max  
STREET: 225 South Lake Avenue, Ninth Floor  
CITY: Pasadena  
STATE: California  
COUNTRY: USA  
ZIP: 91101

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/063,552  
FILING DATE: 19930514  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: Farber, Michael B  
REGISTRATION NUMBER: 32,612  
REFERENCE/DOCKET NUMBER: 9067-1  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (818) 796-4000  
TELEFAX: (818) 795-6321  
INFORMATION FOR SEQ ID NO: 9:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 195 amino acids  
TYPE: AMINO ACID  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
HYPOTHEICAL: NO  
FRAGMENT TYPE: internal  
ORIGINAL SOURCE:  
ORGANISM: Bacillus subtilis plasmid  
US-08-063-552-9.

Query Match 3.2%; Score 6; DB 1; Length 195;  
Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 112 GRKIMI 117  
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DB 69 GRKIMI 74

RESULT 15  
PCT-US93-05704-9  
Sequence 9 Application PC/TUS9305704  
GENERAL INFORMATION:  
APPLICANT: Edwards, Robert H  
TITLE OF INVENTION: Vesicle Membrane Transport Proteins  
NUMBER OF SEQUENCES: 17  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Sheldon & Max  
STREET: 225 South Lake Avenue, Ninth Floor  
CITY: Pasadena  
STATE: California  
COUNTRY: USA  
ZIP: 91101  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US93/05704

; FILING DATE: 19930611  
 ; CLASSIFICATION:  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Fairder, Michael B  
 ; REGISTRATION NUMBER: 32, 612  
 ; REFERENCE/DOCKET NUMBER: 9067-1PCT  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: (818) 796-4000  
 ; TELEFAX: (818) 795-6321  
 ; INFORMATION FOR SEQ ID NO: 9:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 195 amino acids  
 ; TYPE: AMINO ACID  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: peptide  
 ; HYPOTHEICAL: NO  
 ; FRAGMENT TYPE: Internal  
 ; ORIGINAL SOURCE:  
 ; ORGANISM: Bacillus subtilis plasmid  
 ; PCT-US93-05704-9

Query Match 3.2%; Score 6; DB 5; Length 195;  
 Best Local Similarity 100.0%; Pred. No. 1.8e+02;  
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
 QY 112 GRKIM 117  
 Db 69 GRKIM 74

Search completed: April 16, 2003, 13:10:41  
 Job time : 16 secs

GenCore version 5.1.4.P5.4578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 13:02:42 ; Search time 18 Seconds

(without alignments)  
790.147 Million cell updates/sec

Title: US-09-895-298a-83

Perfect score: 1002

Sequence: 1 MANNOPPSKAMRASOMTFE.....HDSGLDLSRSRVDRGNPRA 190

Scoring table:

BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 286829 seqs, 7561385 residues

Total number of hits satisfying chosen parameters: 286829

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:

1: /cgn2\_6/prodata/1/pubppas/US08\_NEM\_PUB.pep.\*  
2: /cgn2\_6/prodata/1/pubppas/PCR\_NEM\_PUB.pep.\*  
3: /cgn2\_6/prodata/1/pubppas/US06\_NEM\_PUB.pep.\*  
4: /cgn2\_6/prodata/1/pubppas/US06\_PUBCOMB.pep.\*  
5: /cgn2\_6/prodata/1/pubppas/US07\_NEM\_PUB.pep.\*  
6: /cgn2\_6/prodata/1/pubppas/US07\_PUBCOMB.pep.\*  
7: /cgn2\_6/prodata/1/pubppas/PCRUS\_PUBCOMB.pep.\*  
8: /cgn2\_6/prodata/1/pubppas/US03\_PUBCOMB.pep.\*  
9: /cgn2\_6/prodata/1/pubppas/US03\_NEM\_PUB.pep.\*  
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13: /cgn2\_6/prodata/1/pubppas/US60\_NEM\_PUB.pep.\*  
14: /cgn2\_6/prodata/1/pubppas/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	148	14.8	31	10	US-09-864-761-44182
2	88.5	8.8	706	9	US-09-965-529-36
3	82.5	8.2	310	9	US-09-510-332-164
4	80	8.0	426	9	US-10-028-072-218
5	80	8.0	426	9	US-10-121-049-218
6	80	8.0	426	9	US-10-123-904-218
7	80	8.0	426	9	US-10-140-470-218
8	80	8.0	426	9	US-10-175-746-218
9	80	8.0	426	9	US-10-176-918-218
10	80	8.0	426	9	US-10-176-921-218
11	80	8.0	426	9	US-10-137-865-218
12	80	8.0	426	9	US-10-140-474-218
13	80	8.0	426	9	US-10-142-431-218
14	80	8.0	426	9	US-10-143-114-218
15	80	8.0	426	9	US-10-140-002-218
16	80	8.0	426	9	US-10-142-419-218
17	80	8.0	426	9	US-10-123-262-218
18	80	8.0	426	9	US-10-142-423-218
19	80	8.0	426	9	US-10-121-050-218

20	80	8.0	426	9	US-10-141-755-218	Sequence 218, App
21	80	8.0	426	9	US-10-143-032-218	Sequence 218, App
22	80	8.0	426	9	US-10-123-108-218	Sequence 218, App
23	80	8.0	426	9	US-10-123-236-218	Sequence 218, App
24	80	8.0	426	9	US-10-123-261-218	Sequence 218, App
25	80	8.0	426	9	US-10-140-921-218	Sequence 218, App
26	80	8.0	426	9	US-10-140-928-218	Sequence 218, App
27	77.5	7.7	536	10	US-09-815-244-2544	Sequence 5244, App
28	77.5	7.7	604	10	US-09-815-244-2555	Sequence 5244, App
29	77.5	7.7	604	10	US-09-815-244-2555	Sequence 5244, App
30	75	7.5	784	9	US-10-143-014-23	Sequence 574, App
31	75	7.5	784	9	US-10-143-014-23	Sequence 574, App
32	74.5	7.4	330	10	US-09-815-242-10869	Sequence 10869, A
33	74.5	7.4	332	9	US-09-510-332-101	Sequence 101, App
34	74.5	7.4	405	10	US-09-966-871-84	Sequence 84, App
35	74.5	7.4	405	12	US-10-039-645-84	Sequence 5239, App
36	74	7.4	323	9	US-09-738-626-5239	Sequence 626, App
37	74	7.4	398	9	US-09-738-626-6516	Sequence 6516, App
38	74	7.4	584	9	US-09-950-041-4	Sequence 729, App
39	73.5	7.3	535	9	US-10-102-806-729	Sequence 1, App
40	73	7.3	1077	9	US-10-121-911-1	Sequence 92, App
41	72.5	7.2	191	10	US-09-828-644-92	Sequence 146, App
42	72	7.2	210	9	US-09-791-279-146	Sequence 146, App
43	71.5	7.1	307	10	US-09-825-882-18	Sequence 20, App
44	71.5	7.1	415	10	US-09-823-114-20	Sequence 6, App
45	71	7.1	176	10	US-09-788-600-6	Sequence 6, App

#### ALIGNMENTS

RESULT 1  
US-09-864-761-44182  
Sequence 44182, Application us/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Acomics-X-1  
CURRENT APPLICATION NUMBER: US 09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GB 24263.6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30

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;; PRIOR APPLICATION NUMBER: PCT/US01/00670
;; PRIOR FILING DATE: 2001-01-30
;; PRIOR APPLICATION NUMBER: US 60/234,687
;; PRIOR FILING DATE: 2000-09-21
;; PRIOR APPLICATION NUMBER: US 09/608,408
;; PRIOR FILING DATE: 2000-06-30
;; PRIOR APPLICATION NUMBER: US 09/774,203
;; PRIOR FILING DATE: 2001-01-29
;; NUMBER OF SEQ ID NOS: 49117
;; SOFTWARE: Annonex Sequence Listing Engine vers. 1.1
;; SEQ ID NO 44182
;; LENGTH: 31
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; OTHER INFORMATION: MAP TO AC003108.1
;; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
;; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
;; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
;; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
;; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.62
;; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
;; OTHER INFORMATION: EST_HUMAN HIT: AM582253.1, EVALUO 2.00e-09
US-09-864-761-44182
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Query Match 14.8%; Score 148; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 7.5e-09;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 131 KMFLIKLIKIDMEKKANPSSVLERREVE 161
DB 1 KMFLIKLIKIDMEKKANPSSVLERREVE 31
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RESULT 2
US-09-965-529-36
;; Sequence 36, Application US/09965529
;; Publication No. US20020182671A1
;; GENERAL INFORMATION:
;; APPLICANT: LAL. Preecl
;; APPLICANT: YUE, Henry
;; APPLICANT: TANG, Y. Tom
;; APPLICANT: BANDMAN, Olga
;; APPLICANT: BURROD, Neil
;; APPLICANT: AZIMZAI, Yaida
;; APPLICANT: BAUGHN, Mariah R.
;; APPLICANT: LU, Dong Aina R.
;; TITLE OF INVENTION: MEMBRANE ASSOCIATED PROTEINS
;; FILE REFERENCE: PR-0731 USA
;; CURRENT APPLICATION NUMBER: US/09/965,529
;; PRIOR APPLICATION NUMBER: 60/149,641; 66/164,203; PCT/US00/22315
;; PRIOR FILING DATE: 2001-09-26
;; PRIOR FILING DATE: 1999-08-17; 1999-11-09; 2000-08-14
;; NUMBER OF SEQ ID NOS: 74
;; SOFTWARE: PERL Program
;; SEQ ID NO 36
;; LENGTH: 706
;; TYPE: PRT
;; ORGANISM: Homo sapiens
;; FEATURE:
;; NAME/KEY: misc-feature
;; OTHER INFORMATION: Incyte ID No. US20020182671A1 5944279CD1
US-09-965-529-36
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Query Match 8.8%; Score 88.5; DB 9; Length 706;
Best Local Similarity 27.5%; Pred. No. 0.71;
Matches 39; Conservative 27; Mismatches 57; Indels 19; Gaps 6;
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OY 6 PPKAKMARASQWTF--FLLPFPSTVGLCTLAITIMRLKPSACGFFRLPLFIHSYS 64
DB 571 PAARFRRASANFFFLVLLGLAISV--PLYSIFILPSPKCGPFRGQ---SSTWA 624
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OY 65 WI-DLSTNP---GYLWVWYIRNLIGSVHEFFILTLVILTYLWOTTEGRIMRL 119
DB 625 QIESISLPEFTONFLP-----FLCTQAFVAPLLISLMAVYVALNSYGRILSE 677
OY 120 LHQDINEGRDKMLFIKLIK 141
DB 678 LKQROTEAKNVFLARRAYAL 699
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RESULT 3
US-09-510-332-164
;; Sequence 164, Application US/09510332
;; Publication No. US2003002278A1
;; GENERAL INFORMATION:
;; APPLICANT: Zuker, Charles S.
;; APPLICANT: Adler, Jon Elliot
;; APPLICANT: Ryba, Nick
;; APPLICANT: Mueller, Ken
;; APPLICANT: Hoon, Mark
;; TITLE OF INVENTION: The Regents of the University of California
;; FILE REFERENCE: 02307E-098010US
;; CURRENT APPLICATION NUMBER: US/09/510,332
;; PRIOR FILING DATE: 2000-02-22
;; PRIOR APPLICATION NUMBER: US 09/393,634
;; PRIOR FILING DATE: 1999-09-10
;; NUMBER OF SEQ ID NOS: 172
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 164
;; LENGTH: 310
;; TYPE: PRT
;; ORGANISM: Mus sp.
;; FEATURE:
;; OTHER INFORMATION: mouse T2R31 (mGR31)
US-09-510-332-164
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Query Match 8.2%; Score 82.5; DB 9; Length 310;
Best Local Similarity 21.7%; Pred. No. 1;
Matches 50; Conservative 27; Mismatches 50; Indels 103; Gaps 11;
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OY 11 WRASQMTFFFLPFPSTVGLCTLAIT--TIMRLKPSADCGPFGPLFIHSYS-- 64
DB 28 WVKAKITTFINFWCLANSRISVLMPLTDATIOFLAP-----HRYYSYR 73
OY 65 -----WT--DLST-----RPGYLVWVYIRNLIGSVHEFFILT 96
DB 74 LVKSDITWVITDGLSTMLATCLSTFYLFVVAHISHPLFLMKV--RLRGVLVFLVFS 130
OY 97 LIVLITVYL---YW-----QTEGRKIMIRLHQDINEGRDKM 132
DB 131 LFLILSYFLLETLPIMGDIYVTLKMLTLFSSGITITTAFOKITV-----FDII 179
OY 133 FLIEKLIKIDMEKKANPSSVLERREVEOGLM/GEHDSIDLSRGRS 182
DB 180 YLVPLVSL-----ASLIL-----PLSYVHSRSIDLISTS 212
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```
RESULT 4
US-10-028-072-218
;; Sequence 218, Application US/10028072
;; Publication No. US20030004311A1
;; GENERAL INFORMATION:
;; APPLICANT: Baker, Kevin P.
;; APPLICANT: Beresini, Maureen
;; APPLICANT: Deforge, Laura
;; APPLICANT: Desnoyers, Luc
;; APPLICANT: Filvaroff, Ellen
;; APPLICANT: Gao, Wei-Qiang
;; APPLICANT: Gerlitsen, Mary E.
;; APPLICANT: Goddard, Audrey J.
;; APPLICANT: Goddard, Paul J.
;; APPLICANT: Gurney, Austin L.
;; APPLICANT: Sherwood, Steven
```



Thu Apr 24 08:00:40 2003

us-09-895-298a-83.rapb

Page 3

APPLICANT: Smith,Victoria  
APPLICANT: Stewart,Timothy A.  
APPLICANT: Tumas,Daniel  
APPLICANT: Watanabe,Colin K  
APPLICANT: Wood,William  
APPLICANT: Zhang  
TITLE OF INVENTION:  
FILE REFERENCE:  
CURRENT APPLICATION NUMBER: US/10/028,072  
PRIOR FILING DATE: 2001-12-19  
PRIOR APPLICATION NUMBER: 60/049911  
PRIOR FILING DATE: 1997-06-18  
PRIOR APPLICATION NUMBER: 60/056974  
PRIOR FILING DATE: 1997-08-26  
PRIOR APPLICATION NUMBER: 60/059113  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059115  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059117  
PRIOR FILING DATE: 1997-09-17  
PRIOR APPLICATION NUMBER: 60/059122  
PRIOR FILING DATE: 1997-09-17  
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PRIOR FILING DATE: 1997-09-17  
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PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059352  
PRIOR FILING DATE: 1997-09-19  
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PRIOR FILING DATE: 1997-10-17  
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PRIOR FILING DATE: 1997-11-03  
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PRIOR FILING DATE: 1997-11-12  
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PRIOR FILING DATE: 1997-11-17  
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PRIOR FILING DATE: 1998-04-28  
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PRIOR FILING DATE: 1998-04-28  
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PRIOR FILING DATE: 1998-05-07  
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PRIOR FILING DATE: 1998-05-07  
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PRIOR FILING DATE: 1998-05-12  
PRIOR APPLICATION NUMBER: 60/085323  
PRIOR FILING DATE: 1998-05-13  
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PRIOR APPLICATION NUMBER: 60/085339  
PRIOR FILING DATE: 1998-05-13  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085697  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085704  
PRIOR FILING DATE: 1998-05-15

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OY      14  SOMMTEFFFLFF-----PSTGVLCTATTIRKLKPSADCGFNGPLRHSI----- 62
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Db      4  AQLATEYVSDFLKKEPEPFKGLRLAY-----DKWVCIAV-GIPLLLISLFAOE 57
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OY      63  -----VSM-----IDLTSTPQVLYVWVYIRKLIGS-----VHFFP-- 93
           : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      58  ISIGTOSCFSPSSFSMROAFVYS-----YCAAAVODKNSLOSISGNTPLWJHNFERY 111
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OY      94  --ILTLIVATITLYWQITERKIMIRLNDHOIINSGKDKDFLEIKRLIDMEKRANPS 151
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Db      112  ILTLFALLILYLPFLWRFAAAPHIC-----SDLKFIWEELDKVYNRAIRAKS 159
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Query Match      8.0% ; Score 80 ; Db 9 ; length 426 ;
Best Local Similarity 21.8% ; Pred. No. 2.8 ;
Matches 41 ; Conservative 27 ; Mismatches 54 ; Indels 66 ; Gaps 9 ;

US-10-121-049-218
NUMBER OF SEQ ID NOS: 550
Prior Application removed - See file Wrapper or Palm
SEQ ID NO 218
LENGTH: 426
TYPE: PRT
ORGANISM: Homo Sapien

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Db : 160 ARDLMDRD 167

RESULT 6  
US-10-123-904-218

Sequence 218: Application US/10123904  
Publication No. US20030022328A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Desnoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Mei-Qiang  
APPLICANT: Gerritsen, Mary E.  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin

TITLE OR INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
ACIDS ENCODING THE SAME

FILE REFERENCE: P310R1C54

CURRENT FILING DATE: 2002-04-16

Prior application removed - See file Wrapper or Palm

NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-123-904-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

OY 14 SOMMTFFELFF-----PSTGVLTCTATTIRKPSADCGFGRGLPFIHSI-----62  
 DB 4 AQLATEYVSDFLKEPTEFKGLRLAY-----DKWYTCIAV-GLPLLLISLAPAE 57  
 OY 63 -----YSW-----IDTLSTRPGYLVWVYIRNLIGS-----VHFF--93  
 DB 58 ISIGTQISCFSPSSFSMRQAAVDS-----YCAAAYQAKNSLOSSEGNLPIMLHKFPY 111  
 OY 94 --ITLTVLITVLYWOTEGRKIMRLHBOJINSGDKMFLIKLKLQDMKKRANKS 151  
 DB 112 ILLFAILLTLPPLPWRFAAAPHIC-----SDKFIEMELDKYVNAIKAAKS 159  
 OY 152 SLVLERRE 159  
 DB 160 ARDLDMND 167

RESULT 7  
 US-10-140-470-218  
 Sequence 218, Application US/10140470  
 Publication No. US2003002231A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Deforge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 FILE REFERENCE: P33081C35  
 CURRENT APPLICATION NUMBER: US/10/140,470  
 CURRENT FILING DATE: 2002-05-06  
 PRIOR APPLICATION: 159  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-140-470-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

OY 14 SOMMTFFELFF-----PSTGVLTCTATTIRKPSADCGFGRGLPFIHSI-----62  
 DB 4 AQLATEYVSDFLKEPTEFKGLRLAY-----DKWYTCIAV-GLPLLLISLAPAE 57  
 OY 63 -----YSW-----IDTLSTRPGYLVWVYIRNLIGS-----VHFF--93  
 DB 112 ILLFAILLTLPPLPWRFAAAPHIC-----SDKFIEMELDKYVNAIKAAKS 159  
 OY 152 SLVLERRE 159  
 DB 160 ARDLDMND 167

DB 58 ISIGTQISCFSPSSFSMRQAAVDS-----YCAAAYQAKNSLOSSEGNLPIMLHKFPY 111  
 OY 94 --ITLTVLITVLYWOTEGRKIMRLHBOJINSGDKMFLIKLKLQDMKKRANKS 151  
 DB 112 ILLFAILLTLPPLPWRFAAAPHIC-----SDKFIEMELDKYVNAIKAAKS 159  
 OY 152 SLVLERRE 159  
 DB 160 ARDLDMND 167

RESULT 8  
 US-10-175-746-218  
 Sequence 218, Application US/10175746  
 Publication No. US20030027270A1  
 GENERAL INFORMATION:  
 APPLICANT: Baker, Kevin P.  
 APPLICANT: Beresini, Maureen  
 APPLICANT: Deforge, Laura  
 APPLICANT: Desnoyers, Luc  
 APPLICANT: Filvaroff, Ellen  
 APPLICANT: Gao, Wei-Qiang  
 APPLICANT: Gerritsen, Mary E.  
 APPLICANT: Goddard, Audrey  
 APPLICANT: Godowski, Paul J.  
 APPLICANT: Gurney, Austin L.  
 APPLICANT: Sherwood, Steven  
 APPLICANT: Smith, Victoria  
 APPLICANT: Stewart, Timothy A.  
 APPLICANT: Tumas, Daniel  
 APPLICANT: Watanabe, Colin K  
 APPLICANT: Wood, William  
 TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
 TITLE OF INVENTION: ACIDS ENCODING THE SAME  
 FILE REFERENCE: P33081C35  
 CURRENT APPLICATION NUMBER: US/10/175,746  
 CURRENT FILING DATE: 2002-06-19  
 PRIOR APPLICATION: 159  
 NUMBER OF SEQ ID NOS: 550  
 SEQ ID NO 218  
 LENGTH: 426  
 TYPE: PRT  
 ORGANISM: Homo Sapien  
 US-10-175-746-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
 Best Local Similarity 21.8%; Pred. No. 2.8;  
 Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

OY 14 SOMMTFFELFF-----PSTGVLTCTATTIRKPSADCGFGRGLPFIHSI-----62  
 DB 4 AQLATEYVSDFLKEPTEFKGLRLAY-----DKWYTCIAV-GLPLLLISLAPAE 57  
 OY 63 -----YSW-----IDTLSTRPGYLVWVYIRNLIGS-----VHFF--93  
 DB 58 ISIGTQISCFSPSSFSMRQAAVDS-----YCAAAYQAKNSLOSSEGNLPIMLHKFPY 111  
 OY 94 --ITLTVLITVLYWOTEGRKIMRLHBOJINSGDKMFLIKLKLQDMKKRANKS 151  
 DB 112 ILLFAILLTLPPLPWRFAAAPHIC-----SDKFIEMELDKYVNAIKAAKS 159  
 OY 152 SLVLERRE 159  
 DB 160 ARDLDMND 167



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US-10-142-431-218
/ Sequence 218, Application US/10142431
/ Publication No. US20030036179A1
/ GENERAL INFORMATION:
  APPLICANT: Baker, Kevin P.
  APPLICANT: DeForge, Maureen
  APPLICANT: Desnoyers, Luc
  APPLICANT: Filvaroff, Ellen
  APPLICANT: Gao, Wei-Olang
  APPLICANT: Gerritsen, Mary E.
  APPLICANT: Goddard, Audrey
  APPLICANT: Godowski, Paul J.
  APPLICANT: Gurney, Austin L.
  APPLICANT: Sherwood, Steven
  APPLICANT: Smith, Victoria
  APPLICANT: Stewart, Timothy A.
  APPLICANT: Tamas, Daniel
  APPLICANT: Matanabe, Colin K
  APPLICANT: Wood, William
  APPLICANT: Zhang, Zemin
  TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
  FILE REFERENCE: P3330R1C251
  CURRENT APPLICATION NUMBER: US/10/142,431
  PRIOR APPLICATION: 2002-05-10
  NUMBER OF SEQ ID NOS: 550
  SEQ ID NO 218
  LENGTH: 426
  TYPE: PRT
  ORGANISM: Homo Sapien
US-10-142-431-218

Query Match      8.0%; Score 80; DB 9; Length 426;
Best Local Similarity 21.8%; Pred. No. 2.8;
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9

QY 14 SOMMFFELLEF-----PFGVICTLATITMRKLPNSDCGPRGGLPEHISI----- 62
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 4 AQALATEVEFSDPLAKEPTPEAFKGLMELAY-----DKMYTCIAN-GLPILISLAFQOE 57
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 63 -----YSW-----IDLSTRGTLWVWITRNIGS-----VHFF-- 93
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 58 ISIGTQISCHSPSSSSWQAFAFDS-----YCWAAVQOKNSIOESGNTPLFLHFFPY 111
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 94 --ILFLVLLIYVLLWQITFEGRKIMRLMRQIINEGSKMPLLEKTIKIQDEKKKANDS 151
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 112 ILLFALILYPLPLFWRFPAAPHIC-----SDIKFTIMEIDKYNBAIKAAKS 159
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 152 SLVTERRE 159
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 160 ARDDMDRD 167
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 14
US-10-143-114-218
/ Sequence 218, Application US/10143114
/ Publication No. US20030036180A1
/ GENERAL INFORMATION:
  APPLICANT: Baker, Kevin P.
  APPLICANT: Beresini, Maureen
  APPLICANT: DeForge, Laura
  APPLICANT: Desnoyers, Luc
  APPLICANT: Filvaroff, Ellen
  APPLICANT: Gao, Wei-Olang
  APPLICANT: Gerritsen, Mary E.
  APPLICANT: Goddard, Audrey
  APPLICANT: Godowski, Paul J.
  APPLICANT: Gurney, Austin L.
  APPLICANT: Sherwood, Steven
  APPLICANT: Smith, Victoria
  APPLICANT: Stewart, Timothy A.

```

APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C211  
CURRENT APPLICATION NUMBER: US/10/143/114  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 218  
LENGTH: 426  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-143-114-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
Best Local Similarity 21.8%; Pred. No. 2.8;  
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

QY 14 SOMMEFFIELFP-----PSFTGVLCITLITIRLRKPSADCGFRGLPIFHSI----- 62  
DB 4 AQLATEYVSPDLKEPTPEKRGRLRLAV-----DKMWTCLAV-GLPULISLAFQAE 57  
QY 63 -----YSW-----IDTLSTRPGYLWVVIYNLIGS-----VHFFP-- 93  
DB 58 ISIGTOISCFSPSSFSFMRQAFVDS-----YCWAAVOOKNSLOSSEGNLPLWLHKFFPY 111  
QY 94 --ILTLVLIITYLYWQITEGRKIMIRLHBOIINEGDKMFLIEKLIKQDMKKANPS 151  
DB 112 ILLFPAILLYLPFLFWRFMAAPHIC-----SDLKFMIEELDKYNNRAIKAKS 159  
QY 152 SLVERRE 159  
DB 160 ARDLDMRD 167

RESULT 15  
US-10-140-002-218  
Sequence 218, Application US/10140002  
Publication No. US20030037623A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Beresini, Maureen  
APPLICANT: DeForge, Laura  
APPLICANT: Deenoyers, Luc  
APPLICANT: Filvaroff, Ellen  
APPLICANT: Gao, Wei-Qiang  
APPLICANT: Gottlisen, Mary E.  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Aubelin L.  
APPLICANT: Sherwood, Steven  
APPLICANT: Smith, Victoria A.  
APPLICANT: Stewart, Timothy A.  
APPLICANT: Tumas, Daniel  
APPLICANT: Watanabe, Colin K  
APPLICANT: Wood, William  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3330R1C59  
CURRENT APPLICATION NUMBER: US/10/140/002  
CURRENT FILING DATE: 2002-05-06  
Prior Application removed - See Palm or File Wrapper  
NUMBER OF SEQ ID NOS: 550  
SEQ ID NO 218  
LENGTH: 426  
TYPE: PRT  
ORGANISM: Homo Sapien  
US-10-140-002-218

Query Match 8.0%; Score 80; DB 9; Length 426;  
Best Local Similarity 21.8%; Pred. No. 2.8;  
Matches 41; Conservative 27; Mismatches 54; Indels 66; Gaps 9;

QY 14 SOMMEFFIELFP-----PSFTGVLCITLITIRLRKPSADCGFRGLPIFHSI----- 62  
DB 4 AQLATEYVSPDLKEPTPEKRGRLRLAV-----DKMWTCLAV-GLPULISLAFQAE 57  
QY 63 -----YSW-----IDTLSTRPGYLWVVIYNLIGS-----VHFFP-- 93  
DB 58 ISIGTOISCFSPSSFSFMRQAFVDS-----YCWAAVOOKNSLOSSEGNLPLWLHKFFPY 111  
QY 94 --ILTLVLIITYLYWQITEGRKIMIRLHBOIINEGDKMFLIEKLIKQDMKKANPS 151  
DB 112 ILLFPAILLYLPFLFWRFMAAPHIC-----SDLKFMIEELDKYNNRAIKAKS 159  
QY 152 SLVERRE 159  
DB 160 ARDLDMRD 167

Search completed: April 16, 2003, 13:10:21  
Job Time : 22 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: April 23, 2003, 12:45:00 ; Search time 40 Seconds  
(without alignments)  
4370.144 Million cell updates/sec

Title: US-09-895-298a-32\_COPY\_63\_632

Perfect score: 570  
Sequence: 1 atgattgaatttcagcctcc.....aagaaggttaaccagagcc 570

Scoring table: IDENTITY\_NUC  
Gap: 10.0, Capext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 08  
Maximum Match 1008

Listing first 45 summaries

Database : Issued\_Patents\_NA.\*  
1: /cgn2\_6/prodata/1/ina/5A.COMB.seq:\*  
2: /cgn2\_6/prodata/1/ina/5B.COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A.COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B.COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCTUS.COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	53.2	9.3	7218	1	US-08-232-463-14 Sequence 14, Appl
2	42.6	7.5	7218	1	US-08-232-463-14 Sequence 14, Appl
3	35	6.1	1142	3	US-08-672-850-3 Sequence 3, Appl
4	34.8	6.1	2394	3	US-09-027-064-1 Sequence 1, Appl
5	34.8	6.1	2394	4	US-09-271-815-1 Sequence 1, Appl
6	34	6.0	1335	4	US-09-130-491-3 Sequence 3, Appl
7	33.4	5.9	1335	4	US-09-134-001C-1509 Sequence 1509, Ap
8	33.4	5.9	3382	4	US-08-114-918-63 Sequence 63, Appl
9	33.4	5.9	3382	4	US-09-265-315-63 Sequence 63, Appl
10	33.4	5.9	3382	4	US-09-265-315-63 Sequence 63, Appl
11	33.4	5.9	3592	4	US-09-265-315-63 Sequence 63, Appl
12	33	5.8	683	4	US-08-882-164D-37 Sequence 37, Appl
13	32.8	5.8	282	4	US-09-461-697-205 Sequence 205, App
14	32.8	5.8	306	4	US-09-461-697-203 Sequence 203, App
15	32.8	5.8	696	4	US-09-461-697-193 Sequence 193, App
16	32.8	5.8	699	4	US-09-461-697-191 Sequence 191, App
17	32.8	5.8	717	4	US-09-461-697-189 Sequence 189, App
18	32.8	5.8	717	4	US-09-461-697-187 Sequence 187, App
19	32.8	5.8	819	4	US-09-461-697-185 Sequence 185, App
20	32.8	5.8	1488	4	US-09-134-001C-291 Sequence 291, App
21	32.2	5.8	1669	4	US-09-461-697-184 Sequence 184, App
22	32.2	5.6	567	4	US-09-134-001C-1412 Sequence 1412, Ap
23	31.8	5.6	286	4	US-09-007-003-17 Sequence 17, Appl
24	31.8	5.6	289	4	US-09-244-796-17 Sequence 17, Appl
25	31.8	5.6	2255	4	US-08-741-134-1 Sequence 1, Appl
26	31.8	5.6	4089	4	US-09-134-001C-2118 Sequence 2118, Ap
27	31.6	5.5	1248	2	US-09-200-141-1 Sequence 1, Appl

C 28	31.6	5.5	1276	4	US-09-177-325-2 Sequence 2, Appl
C 29	31.6	5.5	1276	4	US-09-411-812A-2 Sequence 2, Appl
C 30	31.6	5.5	1276	4	US-09-590-113-2 Sequence 2, Appl
C 31	31.6	5.5	1485	1	US-08-471-601-23 Sequence 23, Appl
C 32	31.6	5.5	1485	1	US-08-474-556-23 Sequence 23, Appl
C 33	31.6	5.5	1485	1	US-08-479-382-23 Sequence 23, Appl
C 34	31.6	5.5	1485	1	US-08-470-354-23 Sequence 23, Appl
C 35	31.6	5.5	1485	1	US-08-479-383-23 Sequence 23, Appl
C 36	31.6	5.5	1485	2	US-08-819-041-23 Sequence 23, Appl
C 37	31.6	5.5	1485	4	US-08-819-041-23 Sequence 23, Appl
C 38	31.6	5.5	1485	4	US-09-195-716-23 Sequence 23, Appl
C 39	31.6	5.5	2277	1	US-08-676-967-2 Sequence 2, Appl
C 40	31.6	5.5	2277	1	US-08-676-967-2 Sequence 2, Appl
C 41	31.6	5.5	2277	2	US-08-098-487-2 Sequence 2, Appl
C 42	31.6	5.5	8920	4	US-08-446-855A-1 Sequence 1, Appl
C 43	31.6	5.5	8920	4	US-09-150-741-1 Sequence 1, Appl
C 44	31.6	5.5	34446	4	US-09-103-330-35 Sequence 35, Appl
C 45	31.2	5.5	1105	3	US-08-961-083-75 Sequence 75, Appl

# ALIGNMENTS

RESULT 1  
US-08-232-463-14  
Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEIFLINGER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300.6  
FILING DATE: 26-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)836-9300  
TELEFAX: (703)683-4109  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
CLONE: pTZ49t-F15  
US-08-232-463-14  
Query Match 9.3%; Score 53.2; DB 1; Length 7218;

RESULT 2  
US-08-232-463-14/C

Sequence 14, Application US/08232463  
Patent No. 5670367  
GENERAL INFORMATION:  
APPLICANT: DORNER, F.  
APPLICANT: SCHEFFLINER, F.  
APPLICANT: FALKNER, F. G.  
TITLE OF INVENTION: RECOMBINANT FOM1POX VIRUS  
NUMBER OF SEQUENCES: 52  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Foley & Lardner  
STREET: 1800 Diagonal Road, Suite 500  
CITY: Alexandria  
STATE: VA  
COUNTRY: USA  
ZIP: 22313-0299  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/232,463  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/07/935,313  
FILING DATE:  
APPLICATION NUMBER: EP 91 114 300.6  
FILING DATE: 26-AUG-1991  
ATTORNEY/AGENT INFORMATION:  
NAME: BENT, Stephen A.  
REGISTRATION NUMBER: 29,768  
REFERENCE/DOCKET NUMBER: 30472/114 IMMO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (703)836-9300  
TELEFAX: (703)683-4109  
TELEX: 899149  
INFORMATION FOR SEQ ID NO: 14:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 7218 base pairs  
TYPE: nucleic acid  
STRADEDNESS: single  
TOPOLOGY: linear

Query Match	7.5%;	Score 42.6;	DB 1;	Length 7218;
Best Local Similarity	1.2%;	Pred. NO. 0.0052;		
Matches 3;	Conservative 158;	Mismatches 92;	Indels 0;	Gaps 0;

Qy	316	TATGCGACATCACAGGAGGAAGGATTTAGTAAGGCTGCATGAGACATCAT	375
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Qy	376	AATGAGCGCAAGATTAATAATGTCCTCGATAGAAAAATTGATCACTGAGATATGAC	435
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Db	1377	RR	1318
Qy	436	AGAAAGCAAAACCCAGCTACTTGTTCGAAAAGGAAGGTGAGCACACAGGCTTT	495
		.....	
Db	1317	RR	1258
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Db	1257	RR	1198
Qy	556	GCTAATCCAGGG 568	
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Db	1197	RRRRRRRRRRRR 1185	

RESULT 3  
US-08-672-850-3

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? Sequence#, application US/08672850
? Patent No. 6140117
? GENERAL INFORMATION:
? APPLICANT: Milbradt, Jeffrey
? APPLICANT: Araki, Toshiyuki
? TITLE OF INVENTION: NINURIN
? NUMBER OF SEQUENCES: 34
? CORRESPONDENCE ADDRESS:
? ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
? STREET: Four Embarcadero Center, Suite 3400
? CITY: San Francisco
? STATE: California
? COUNTRY: United States
? ZIP: 94111
? COMPUTER READABLE FORM:
? MEDIUM TYPE: Floppy disk
? COMPUTER: IBM PC compatible
? OPERATING SYSTEM: PC-DOS/MS-DOS
? SOFTWARE: PatentIn Release #1.0, Version #1.30
? CURRENT APPLICATION DATA:
? APPLICATION NUMBER: US/08/672,850
? FILING DATE: 24-JUL-1996
? CLASSIFICATION: 435
? ATTORNEY/AGENT INFORMATION:
? NAME: Silva, Robid M.
? REGISTRATION NUMBER: 38,304
? REFERENCE/DOCKET NUMBER: A-63610
? TELECOMMUNICATION INFORMATION:
? TELEPHONE: (415) 781-1989
? TELEFAX: (415) 398-3249
? INFORMATION FOR SEQ ID NO: 3:
? SEQUENCE CHARACTERISTICS:
? LENGTH: 1142 base pairs
? TYPE: nucleic acid
? STRANDEDNESS: unknown
? TOPOLOGY: unknown
? MOLECULE TYPE: DNA (genomic)
? OS-08-672-850-3

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Query Match	6.1%;	Score 35;	DB 3;	Length 1142;
Best Local Similarity	50.98;	Pred. No. 0.42;		
Matches 83;	Conservative 0;	Mismatches 80;	Indels 0;	Gaps 0







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FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 3592 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-265-315-63

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Query Match          5.9% Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2% Pred. No. 2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

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Oy 143 ACTGCGCCCTTTGAGAGCTGCGCTCTTCATTCACATCCATCAGCTGATGACACA 202
Db 710 ACTTACCTTTATTTANAGTCTTTTACGACAGTAACACTTCAGAAAGCGACGACGAA 651
Oy 203 CCTTAATACAGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 262
Db 650 CCTTATTCATCAAGATGATGATATTCATGATGCTTTCGCTCTTTTAAAGCATATTGAA 591
Oy 263 GGTGACACTTCTTTTCTTCATCCCTGACCCCTGATGCTGATGCTGATGCTGAT 312
Db 590 GTNNGATGCTCTGATGATGCTTCTTACCTTTTGTAGTTAAGCAAGCTTT 541

```

```

RESULT 10
US-09-265-315-63/C
Sequence 63, Application US/09265315
Patent No. 6187541
GENERAL INFORMATION:
APPLICANT: Beeton, Bret
APPLICANT: Lee, Ying J.
APPLICANT: Malouin, Francois
APPLICANT: Malin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF INVENTIONS: 111
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2056
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/265,315

```

```

FILING DATE: March 9, 1999
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/714,918
FILING DATE: September 13, 1996
APPLICATION NUMBER: 60/009,102
FILING DATE: December 22, 1995
APPLICATION NUMBER: 60/003,798
FILING DATE: September 15, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 240/247
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 63:
SEQUENCE CHARACTERISTICS:
LENGTH: 3592 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-265-315-63

```

```

Query Match          5.9% Score 33.4; DB 4; Length 3592;
Best Local Similarity 48.2% Pred. No. 2.4;
Matches 82; Conservative 1; Mismatches 87; Indels 0; Gaps 0;

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Oy 143 ACTGCGCCCTTTGAGAGCTGCGCTCTTCATTCACATCCATCAGCTGATGACACA 202
Db 710 ACTTACCTTTATTTANAGTCTTTTACGACAGTAACACTTCAGAAAGCGACGACGAA 651
Oy 203 CCTTAATACAGAGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 262
Db 650 CCTTATTCATCAAGATGATGATATTCATGATGCTTTCGCTCTTTTAAAGCATATTGAA 591
Oy 263 GGTGACACTTCTTTTCTTCATCCCTGACCCCTGATGCTGATGCTGATGCTGAT 312
Db 590 GTNNGATGCTCTGATGATGCTTCTTACCTTTTGTAGTTAAGCAAGCTTT 541

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RESULT 11
US-09-266-417-63/C
Sequence 63, Application US/09266417
Patent No. 6226588
GENERAL INFORMATION:
APPLICANT: Beeton, Bret
APPLICANT: Lee, Ying J.
APPLICANT: Malouin, Francois
APPLICANT: Malin, Patrick K.
APPLICANT: Schmid, Molly B.
APPLICANT: Sun, Dongxu
TITLE OF INVENTION: METHODS OF SCREENING FOR COMPOUNDS
TITLE OF INVENTION: ACTIVE ON STAPHYLOCOCCUS AUREUS
TITLE OF INVENTION: TARGET GENES
NUMBER OF INVENTIONS: 111
NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2056
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/266,417

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US-09-461-697-203
US-09-461-697-203
Sequence 203, Application US/09461697
Patent No. 6277974
GENERAL INFORMATION:
APPLICANT: COGENET NEUROSCIENCE, INC.
APPLICANT: Lo, Donald C.
APPLICANT: Barney, Shawn
APPLICANT: Thomas, Mary Beth
APPLICANT: Portbury, Stuart D.
APPLICANT: Putnam, Kashtul
APPLICANT: Katz, Lawrence C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
TITLE OF INVENTION: CELL DEATH
FILE REFERENCE: 10001-005-999
CURRENT APPLICATION NUMBER: US/09/461,697
NUMBER OF FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SOFTWARE: fastseq for Windows version 4.0
SEQ ID NO 203
LENGTH: 306
TYPE: DNA
ORGANISM: Homo sapiens
US-09-461-697-203

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	Query Match	Similarity	5.8%	Score 32.8	DB 4	Length 306	
Best Local	Similarity	54.0%	Pred. No. 0.96				
Matches	67	Conservative	0	Mismatches	57	Indels	0
							Gaps 0
Oy	323	ACGTCACAGAGGAAGATATGATATAGGCGTCCATGCGACATCTTAATAGG	392				
Db	74	AGATGAAAAGAGGAGAAAGATGAAAAGAGATGAAAATGAAAATGAAAAGAGAA	133				
Oy	383	GCAAAATATTAATTTCTCTGATAGAAAAATTATCATCAAGCTGCAGATATGAGAAAGAA	442				
Db	134	TGCAAAAGAGAAAGATGCAAAAGATGCAAAAGATGCAAAAGATGCAAAAGATGCAAAAGATG	193				
Oy	443	CAAA 446					
Db	194	AAAA 197					

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RESULT 15
US-09-461-697-193
Sequence 193, Application US/09461697
Patent No. 6277974
GENERAL INFORMATION:
APPLICANT: COGENT NEUROSCIENCE, INC.
APPLICANT: LO, Donald C.
APPLICANT: Barney Shavn
APPLICANT: Thomas, Mary Beth
APPLICANT: Portbury, Stuart D.
APPLICANT: Putnam, Kestrel
APPLICANT: Kall, Lawrence C.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING
TITLE OF INVENTION: AND TREATING CONDITIONS, DISORDERS, OR DISEASES INVOLVING
TITLE OF INVENTION: CELL DEATH
FILE REFERENCE: 10001-005-999
CURRENT APPLICATION NUMBER: US/09/461,697
CURRENT FILING DATE: 1999-12-14
NUMBER OF SEQ ID NOS: 466
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 193
LENGTH: 696
TYPE: DNA
ORGANISM: Homo sapiens
US-09-461-697-193

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[illegible]

Search completed: April 23, 2003, 13:51:23  
Job time : 54 secs

1000









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RESULT 8
US-09-803-719-2329
Sequence 2329, US/09903719
Publication No. US20030044783A1
GENERAL INFORMATION:
APPLICANT: Williams, Lewis T.
APPLICANT: Escobedo, Jaime
APPLICANT: Imis, Michael A.
APPLICANT: Garcia, Pablo Dominguez
APPLICANT: Sudduth-Klinger, Julie
APPLICANT: Reinhard, Christoph
APPLICANT: Glese, Klaus
APPLICANT: Randazzo, Filippo
APPLICANT: Kennedy, Giulia C.
APPLICANT: Pot, David
APPLICANT: Kassam, Altaf
APPLICANT: Lamson, George
APPLICANT: Drmanac, Radolje
APPLICANT: Civenjakov, Radomir
APPLICANT: Dickson, Mark
APPLICANT: Drmanac, Snezana
APPLICANT: Labat, Ivan
APPLICANT: Leshkowitz, Dena
APPLICANT: Kita, David
APPLICANT: Garcia, Veronica
APPLICANT: Jones, Lee William
APPLICANT: Stoebe-Craft, Birgit
TITLE OF INVENTION: Human Genes and Gene Products
FILE REFERENCE: 1624, 002
CURRENT APPLICATION NUMBER: US/09/803,719
CURRENT FILING DATE: 2001-03-09
PRIOR APPLICATION NUMBER: 60/7188, 609
PRIOR FILING DATE: 2000-03-09
NUMBER OF SEQ ID NOS: 2396
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2329
LENGTH: 321
TYPE: DNA
ORGANISM: Homo sapiens
US-09-803-719-2329

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Accession	Sequence	Position
QY	CTTTGGAGGCTGCCTCTCTTCATTGCACTGCATACAGGTGATGAGAACCCCTAGTA	211
DB	CTTTTGGACCTGGGTGGTGCCACACATCGAACTTCACATCGATCTACGTCTGGGCC	800
QY	CAGGCGCTGCTACCTCTGGCTTTTGGATCTATGGGACCTGCATTGGGAATGCTGCACT	277
DB	CATCTCTGGCTGGCTCTCTTGTGGACGTGCATATAGTGCTTCAATTTGGAAATGGGAAAG	866

Oy	272	TCTTTTCATCCTCA	286
Db	861	CCGCGCTCATCCTGA	875

US-09-925-299-67  
Sequence 67, Application US/09925299  
Publication NO. US20030040617A9  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
FILE REFERENCE: PA102  
CURRENT APPLICATION NUMBER: US/09/925,299  
CURRENT FILING DATE: 2001-08-10  
PRIOR APPLICATION NUMBER: PCT/US00/05883  
PRIOR FILING DATE: 2000-03-08  
PRIOR APPLICATION NUMBER: 60/124,270  
PRIOR FILING DATE: 1999-03-12  
NUMBER OF SEQ ID NOS: 1556  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 67  
LENGTH: 1410  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-925-299-67

Query Match	6.3%;	Score 35.8;	DB 9;	Length 1410;
Best Local Similarity	54.1%;	Pred. No. 0.84;		
Matches 73;	Conservative 0;	Mismatches 62;	Indels 0;	Gaps 0;

Qy	152	CTTTTCGAGGCTGCTCTCTTCATTCATTCATCCATCCATGAGTGTATGACACCCATATA	2111
Db	741	CTTTTGGACCTGGCGCTGGTGGGCAACCATCGAGAACTGCATGATATCTACTGGTGGGCC	8000
Qy	212	CACGGGCGCTGACCTACCTGTGGGTGTGTTTGGATCTATACGGAACCTCATGGAAATGTGCAT	2711
Db	801	CACCTCTGGCTGGGCTGCTCTGTGTGGTACGCTCATTTAGTCTCTTATGGAGATGGGAGAA	8600
Qy	272	TCCTTTTCATCTCTCA	286
Db	861	CCGCGCTTATCTCTGA	875

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Search completed: April 23, 2003, 14:57:59
Job time : 106 secs
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GenCore version 5.1.4\_p5\_4578  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: April 16, 2003, 13:00:41 ; Search time 14 Seconds  
(without alignments)  
399.311 Million cell updates/sec

Title: US-09-895-298A-83

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100%
Sequence: 1 MNMQPSKAWRASQMMTF...HDGSLDLRSRRSVQEGNPRA 190

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Scoring table: BLOSUM62

Searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

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Minimum DB seq length: 0
Maximum DB seq length: 20000000000
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Post-processing: Minimum Match 0%
                  Maximum Match 100%
                  Listing first 45 summaries
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Database : Issued Patents AA.*
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2: /cgn2.6/prodata/1/1aa/5B.COMB.pep.*
3: /cgn2.6/prodata/1/1aa/6A.COMB.pep.*
4: /cgn2.6/prodata/1/1aa/6B.COMB.pep.*
5: /cgn2.6/prodata/1/1aa/PCOTUS.COMB.pep.*
6: /cgn2.6/prodata/1/1aa/backfiles1.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	79	7.9	496	4	US-09-134-001C-3001	Sequence 3001, Ap
2	77.5	7.7	2763	3	US-08-496-944-2	Sequence 2, Appli
3	75.5	7.5	312	4	US-09-134-001C-1458	Sequence 3458, Ap
4	73.5	7.3	412	4	US-09-134-001C-1949	Sequence 3459, Ap
5	73	7.3	467	4	US-09-134-001C-3020	Sequence 3020, Ap
6	73	7.3	466	1	US-08-137-614A-2	Sequence 2, Appli
7	73	7.3	466	2	US-08-768-301-2	Sequence 2, Appli
8	73	7.3	1077	4	US-09-412-210-1	Sequence 1, Appli
9	71.5	7.1	400	4	US-09-351-198-2	Sequence 1, Appli
10	71.5	7.1	400	4	US-09-113-426-2	Sequence 2, Appli
11	71.5	7.1	415	4	US-08-405-271A-20	Sequence 20, Appli
12	71.5	7.1	1064	3	US-08-726-214-8	Sequence 8, Appli
13	70.5	7.0	119	4	US-09-134-001C-4778	Sequence 4778, Ap
14	70.5	7.0	356	4	US-08-430-286A-2	Sequence 2, Appli
15	70.5	7.0	356	4	US-08-430-286A-5	Sequence 5, Appli
16	70.5	7.0	301	2	US-08-454-549-3	Sequence 3, Appli
17	70.5	7.0	301	3	US-08-454-552-3	Sequence 3, Appli
18	70.5	7.0	368	4	US-08-188-275A-3	Sequence 3, Appli
19	70.5	7.0	368	4	US-09-351-198-3	Sequence 3, Appli
20	70.5	7.0	388	4	US-09-113-426-3	Sequence 3, Appli
21	70.5	7.0	400	3	US-08-189-105A-8	Sequence 8, Appli
22	70.5	7.0	400	4	US-08-188-975A-2	Sequence 2, Appli
23	70.5	7.0	400	5	PCU-US94-10358-8	Sequence 8, Appli
24	70.5	7.0	464	4	US-09-134-001C-4475	Sequence 4475, Ap
25	70	7.0	1342	1	US-07-978-895-4	Sequence 4, Appli
26	70	7.0	1342	2	US-08-484-438-9	Sequence 9, Appli
27	70	7.0	1342	2	US-08-473-119-4	Sequence 4, Appli

## ALIGNMENTS

29	70	1342	2	US-08-475-352-4	Sequence 4, App1
28	70	1343	6	5183884-4	Patent No. 5183884
29	70	7.0	4536	4	US-09-180-422B-27
31	69.5	6.9	391	3	US-08-676-351-4
32	69.5	6.9	398	1	US-08-148-093A-5
33	69.5	6.9	398	2	US-08-911-245-5
34	69.5	6.9	398	3	US-08-883-108-2
35	69.5	6.9	398	4	US-08-120-601B-2
36	69.5	6.9	398	4	US-08-387-707-16
37	69.5	6.9	398	4	US-09-510-473-5
38	69.5	6.9	398	4	US-09-405-271A-16
39	69.5	6.9	398	5	US-08-105-271A-16
40	69.5	6.9	398	5	US-09-453-702B-257
41	69.5	6.8	163	3	US-09-053-197A-22
42	68.5	6.8	163	4	US-09-085-761A-22
43	68.5	6.8	398	2	US-08-514-451A-8
44	68.5	6.8	398	4	US-09-048-916B-7
45	68	6.8	1193	1	US-08-317-450B-13
					Sequence 11, App1

[illegible]

CORRESPONDENCE ADDRESS:  
 ADDRESSEE: CIBA-Geigy Corporation  
 STREET: 7 Skyline Drive  
 CITY: Hawthorne  
 STATE: NY  
 COUNTRY: USA  
 ZIP: 10532  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.308  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/496,944  
 FILING DATE:  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Elmer, James Scott  
 REGISTRATION NUMBER: 36,129  
 REFERENCE/DOCKET NUMBER: CCC 1814  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 2763 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-496-944-2

Query Match 7.7%; Score 77.5; DB 3; Length 2763;  
 Best Local Similarity 20.5%; Pred. No. 12;  
 Matches 27; Conservative 26; Mismatches 54; Indels 25; Gaps 4;

QY 66 IDTSTRGYLVWVYIRNLGVSVEFFILTLVLTLYLYQITEGRKIM----- 116  
 DB 619 IRTIKT-----VYFPIPIFLVHIFIVLSLTITANTIIYTMNDYKLLKKQREDEYE 672  
 QY 117 -----ILHEQIINGKDKMKPLTEKLIKIDMEKKANPSSVLERREVEQGFHLGHER 171  
 DB 673 AEISEVARIHISTMERKDNLTCEQPIEYH-----KXNHPRLVGXTDITHTGTGVIHSGKS 727  
 QY 172 DGSIDLASRSY 183  
 DB 728 NLETNLEDSMAV 739

RESULT 3  
 US-09-134-001C-3458  
 Sequence 3458, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lynn Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIOR APPLICATION NUMBER: US 60/064,964  
 PRIOR FILING DATE: 1997-11-08  
 PRIOR APPLICATION NUMBER: US 60/055,779  
 PRIOR FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 3458  
 LENGTH: 312  
 TYPE: PRT  
 ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-3458

Query Match 7.5%; Score 75.5; DB 4; Length 312;  
 Best Local Similarity 24.6%; Pred. No. 1.1;  
 Matches 33; Conservative 23; Mismatches 43; Indels 35; Gaps 7;  
 QY 16 MMTFFILFLFPSTGTGV-----CTLAITIMRLKPSADCGP-----PFGIPL--- 57  
 DB 16 MMTFFILFLFPSTGTGV-----CTLAITIMRLKPSADCGP-----PFGIPL--- 57

DB 177 LMAITIVLTI---YIGALVRRHKSIAVGMPI-PDDIVPHNADHWOFSHRGMAFTF 232  
 QY 58 -----FIHSIYMDITSTRGYL--WVWYIRNLGVSVEFFILTLV-----LITTY 104  
 DB 233 IWMITFIHAIKNSDNRFTVRGYTASFIIVLQVITGALSIVTNVLLIHALFTTY 292  
 QY 105 LYMOITEGRKIMIR 118  
 DB 293 LEGMAIVFILLMIR 306

RESULT 4  
 US-09-134-001C-3949  
 Sequence 3949, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lynn Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIOR APPLICATION NUMBER: US 60/064,964  
 PRIOR FILING DATE: 1997-11-08  
 PRIOR APPLICATION NUMBER: US 60/055,779  
 PRIOR FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 3949  
 LENGTH: 412  
 TYPE: PRT  
 ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-3949

Query Match 7.3%; Score 73.5; DB 4; Length 412;  
 Best Local Similarity 25.9%; Pred. No. 2.7;  
 Matches 30; Conservative 13; Mismatches 24; Indels 49; Gaps 6;  
 QY 22 FLFPSTGTGVCTLAITIMRLKPSADCGPFGIPLFIHSIYS-----WIDTILS 70  
 DB 101 FLIAFTS-----LFLVIM-----FPASPEII--IFSAIMLGIVASPIWIVLWS 141  
 QY 71 T-----RPGYLVWVYIRNLGVS-----HFFILTLVLTLYLYTW 107  
 DB 142 SYDERNRGKMGQGYVYFSMLGLLVGMVIMNLIKHPHTRRAFLMALVLIAMVLYX 197

RESULT 5  
 US-09-134-001C-3020  
 Sequence 3020, Application US/09134001C  
 Patent No. 6380370  
 GENERAL INFORMATION:  
 APPLICANT: Lynn Doucette-Stamm et al  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS  
 TITLE OF INVENTION: EPIDERMIDS FOR DIAGNOSTICS AND THERAPEUTICS  
 FILE REFERENCE: GTC-007  
 CURRENT APPLICATION NUMBER: US/09/134,001C  
 CURRENT FILING DATE: 1998-08-13  
 PRIOR APPLICATION NUMBER: US 60/064,964  
 PRIOR FILING DATE: 1997-11-08  
 PRIOR APPLICATION NUMBER: US 60/055,779  
 PRIOR FILING DATE: 1997-08-14  
 NUMBER OF SEQ ID NOS: 5674  
 SEQ ID NO 3020  
 LENGTH: 467  
 TYPE: PRT  
 ORGANISM: Staphylococcus epidermidis  
 US-09-134-001C-3020

Query Match 7.3%; Score 73; DB 4; Length 467;  
 Best Local Similarity 24.2%; Pred. No. 3.7;  
 Matches 40; Conservative 28; Mismatches 55; Indels 42; Gaps 10;  
 QY 10 AVRASQMTFFILFPSTGTGVCTLAITIMRLKPSADCGPFGI--PLFIHSIYSMT- 66  
 DB 10 AVRASQMTFFILFPSTGTGVCTLAITIMRLKPSADCGPFGI--PLFIHSIYSMT- 66



Db 132 AM-----YFVHFLIF-GLEOKKTLAVVPGI-----GILAVPLIFAYAPWVIA 176  
 Oy 67 -----DITLSTRGYLAWVW-----YRNLISGV---HFFPITLITLITLYLWQITFGR 113  
 Db 177 CVTPGARMASANGWMSWICIGIGLGMWIPSLISIRISFITLWGV-----PWVAVAGL 232  
 Oy 114 KIMRILHFOITNEKXKMLIRKILXIDOMKEMKAPSSLYER 158  
 Db 233 MINF-LYERGRAGPDVAVLYERLKT-----SSGYIINER 270

RESULT 6  
 US-08-137-614A-2  
 Sequence 2, Application US/08137614A  
 Patent No. 5487976

GENERAL INFORMATION:  
 APPLICANT: Sodertlund, David M.  
 APPLICANT: Knipple, Douglas C.  
 APPLICANT: Henderson, Joseph B.  
 TITLE OF INVENTION: Gene Encoding An Insect  
 TITLE OF INVENTION: Gamma-Aminobutylic Acid (GABA) Receptor Subunit  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Nixon, Hargrave, Devans & Doyle  
 STREET: Clinton Square, P.O. Box 1051  
 CITY: Rochester  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 14603  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patent Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/137,614A  
 FILING DATE: 15-OCT-1993  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Timlan, Susan J.  
 REGISTRATION NUMBER: 34,103  
 REFERENCE/DOCKET NUMBER: 19603/120  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (716)263-1636  
 TELEFAX: (716)263-1600  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 496 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-137-614A-2

Query Match 7.38; Score 73; DB 1; Length 496;  
 Best Local Similarity 19.8%; Pred. No. 4;  
 Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;  
 Oy 4 FOPSKAMRASOMTEFFILFPPSTGVLTATITWRKPSADCGPFGLP--LFIHS 61  
 Db 243 YORLSLSEKRNIGYFVFOYTLPSILIVMLSM-VSEFWINHEATISARVALGITTTLMT 301  
 Oy 62 IYSWIDLSTRGYLAWVWYIRNLISGVEFFILTLITLYLWQITTEGRKIMIRLH 121  
 Db 302 ISTGVRSLSRISYKALDIY--LVKCFYFVALLETAAVNYTW---GKAKKKIKK 355  
 Oy 122 EOLINECK-----DKMFLIEKILKIDOMKEMKAPSSLYERREVEBOOGFLHGRHDS 174  
 Db 356 VECCPGKIGKSRSECTSTEDIIELDVRMSPIPS-----LARGTYNAT 401  
 Oy 175 LD 176  
 Db 402 LD 403

RESULT 7  
 US-08-768-301-2  
 Sequence 2, Application US/08768301  
 Patent No. 5854002  
 GENERAL INFORMATION:  
 APPLICANT: Tomalski, Michael D.  
 APPLICANT: Gault, Daniel B.  
 TITLE OF INVENTION: METHOD OF IDENTIFYING COMPOUNDS THAT BIND  
 TITLE OF INVENTION: TO THE INSECT GABA RECEPTOR  
 NUMBER OF SEQUENCES: 6  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Brundage, Graves, Donohue & Raymond  
 STREET: 30 Rockefeller Plaza  
 CITY: New York  
 STATE: NY  
 COUNTRY: U.S.A.  
 ZIP: 10112-0228

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSeq Version 1.5  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/768,301  
 FILING DATE:  
 CLASSIFICATION: 435  
 PRIOR APPLICATION NUMBER:  
 APPLICATION NUMBER:  
 FILING DATE:  
 ATTORNEY/AGENT INFORMATION:  
 NAME: MacLeod, Janet M.  
 REGISTRATION NUMBER: 35,263  
 REFERENCE/DOCKET NUMBER: A30693  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 212-408-2500  
 TELEFAX: 212-765-2519  
 TELEX:  
 INFORMATION FOR SEQ ID NO: 2:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 496 amino acids  
 TYPE: amino acid  
 STRANDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: Peptide  
 HYPOTHEICAL: NO  
 ANTI-SENSE: NO  
 FRAGMENT TYPE: Internal  
 ORIGINAL SOURCE:  
 US-08-768-301-2

Query Match 7.38; Score 73; DB 2; Length 496;  
 Best Local Similarity 19.8%; Pred. No. 4;  
 Matches 36; Conservative 36; Mismatches 80; Indels 30; Gaps 6;  
 Oy 4 FOPSKAMRASOMTEFFILFPPSTGVLTATITWRKPSADCGPFGLP--LFIHS 61  
 Db 243 YORLSLSEKRNIGYFVFOYTLPSILIVMLSM-VSEFWINHEATISARVALGITTTLMT 301  
 Oy 62 IYSWIDLSTRGYLAWVWYIRNLISGVEFFILTLITLYLWQITTEGRKIMIRLH 121  
 Db 302 ISTGVRSLSRISYKALDIY--LVKCFYFVALLETAAVNYTW---GKAKKKIKK 355  
 Oy 122 EOLINECK-----DKMFLIEKILKIDOMKEMKAPSSLYERREVEBOOGFLHGRHDS 174  
 Db 356 VECCPGKIGKSRSECTSTEDIIELDVRMSPIPS-----LARGTYNAT 401  
 Oy 175 LD 176  
 Db 402 LD 403

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RESULT 8
US-09-412-210-1
Sequence 1, Application US/09412210
Patent No. 6403358
GENERAL INFORMATION:
APPLICANT: Kappelier, Libermann, Rosana
TITLE OF INVENTION: 21253, A NOVEL ADENYLATE CYCLASE
FILE REFERENCE: 5800-4
CURRENT APPLICATION NUMBER: US/09/412,210
CURRENT FILING DATE: 1999-10-05
NUMBER OF SEQ ID NOS: 2
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 1
LENGTH: 1077
TYPE: PRF
ORGANISM: Homo sapiens
US-09-412-210-1

Query Match
Best Local Similarity 7.1%; Score 73; DB 4; Length 1077;
Matches 33; Conservative 20; Mismatches 39; Indels 40; Gaps 7;

OY 20 FIFLFFSPGCVLCTLATIWRKPSADCGPRGLPLFHSIYSWI-----TL 69
DB 729 FLSCSFLHMFSEKILLILMLW---ANSCS-----LELHS-HAWLSECLIVRLYGLPL 778
OY 70 STRPGYLVWVYRNIGSVHFF-FLILVILVILTYLVW-----QITEGR 113
DB 779 DSRPGV-----KEPKMLGAISSFIFFFPLVLVLANONMYCRILDFLMKKILNQBRETFETM 834
OY 114 KIMIRLHEQII 125
DB 835 ENLTRLLENVL 846

RESULT 9
US-09-351-198-2
Sequence 2, Application US/09351198
Patent No. 6335168
GENERAL INFORMATION:
APPLICANT: Kreeg, Mary J
APPLICANT: Laforge, Karl S
APPLICANT: Yu, Lei
APPLICANT: Tischfield, Jay A.
TITLE OF INVENTION: ALLELES OF THE HUMAN MU OPIOID RECEPTOR, DIAGNOSTIC
TITLE OF INVENTION: METHODS OF USING SAID ALLELES, AND METHODS OF TREATMENT
FILE REFERENCE: 600-1-226N
CURRENT APPLICATION NUMBER: US/09/351,198
CURRENT FILING DATE: 1999-07-09
PUBLICATION DATE: 1998-07-10
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 400
TYPE: PRF
ORGANISM: Homo sapiens
US-09-351-198-2

Query Match
Best Local Similarity 7.1%; Score 71.5; DB 4; Length 400;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

OY 25 FPFSPGV--LCTLATIWRKPSADCGPRGLPL-----FHSIYSWI----- 66
DB 150 YNMFSTIFLCTMSVD---RYIVCHPVKALDFTPRNKAIIINVCNMILSSAIGLPLVM 205
OY 67 --DTLSTRPG-----YLVWVYRNIGSVHFFFLILVILVILTYLVQWTEGRKIMI 117
DB 206 FMATRYKQSIDCTLFESHPTWENLVKICVFIFAFIMVLIITVY-----GLMIL 259
OY 118 RLHEQIIIEGDK 131

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DB 260 RLKSVMLSGSKER 273

RESULT 10
US-09-113-426-2
Sequence 2, Application US/09113426
Patent No. 6337207
GENERAL INFORMATION:
APPLICANT: Kreeg, Mary J
APPLICANT: Laforge, Karl S
APPLICANT: Yu, Lei
APPLICANT: Tischfield, Jay A.
TITLE OF INVENTION: ALLELES OF THE HUMAN MU OPIOID RECEPTOR, DIAGNOSTIC
TITLE OF INVENTION: METHODS OF USING SAID ALLELES, AND METHODS OF TREATMENT
FILE REFERENCE: 600-1-226
CURRENT APPLICATION NUMBER: US/09/113,426
CURRENT FILING DATE: 1998-07-10
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 400
TYPE: PRF
ORGANISM: Homo sapiens
US-09-113-426-2

Query Match
Best Local Similarity 7.1%; Score 71.5; DB 4; Length 400;
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

OY 25 FPFSPGV--LCTLATIWRKPSADCGPRGLPL-----FHSIYSWI----- 66
DB 150 YNMFSTIFLCTMSVD---RYIVCHPVKALDFTPRNKAIIINVCNMILSSAIGLPLVM 205
OY 67 --DTLSTRPG-----YLVWVYRNIGSVHFFFLILVILVILTYLVQWTEGRKIMI 117
DB 206 FMATRYKQSIDCTLFESHPTWENLVKICVFIFAFIMVLIITVY-----GLMIL 259
OY 118 RLHEQIIIEGDK 131
DB 260 RLKSVMLSGSKER 273

RESULT 11
US-08-405-271A-20
Sequence 20, Application US/08405271A
Patent No. 6432652
GENERAL INFORMATION:
APPLICANT: EVANS, CHRISTOPHER J.
APPLICANT: KEITH, DUANE E.
TITLE OF INVENTION: OPIOID RECEPTOR GENES
NUMBER OF SEQUENCES: 25
CORRESPONDENCE ADDRESS:
ADDRESSEE: KOKRISON & FORSTER
STREET: 2000 PENNSYLVANIA AVENUE, NW, Suite 5500
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20006-1888
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/405,271A
FILING DATE: 14-MAR-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 22000-20526, 22

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TELECOMMUNICATION INFORMATION:  
TELEPHONE: (202) 987-1500  
TELEFAX: (202) 987-0763  
TELEX: 90-4030 MRSNPOERSMWH  
INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 415 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: Modified-site  
LOCATION: group(9, 12, 33, 40, 48)  
OTHER INFORMATION: /note="extracellular Asn residues  
OTHER INFORMATION: that are consensus sites for N-linked glycosylation"  
US-08-405-271A-20  
Query Match  
Best Local Similarity 7.1%; Score 71.5; DB 4; Length 415;  
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;  
OY 25 FFPSTGV--LCTAITWRLKPSADCGPFCPL-----FHSIYSWI-----66  
DB 150 YNNFTSIFLCTMSVD---RYAVCHPYKALDFPTPKNNKIINVCNWLSSAIGLPYM 205  
OY 67 --DTLSRPG-----YLMVWYRNLGSHPEFLILVLIITLYLWQITEGKKMI 117  
DB 206 PMATYKRGCSIDCLTFSHPTWEMLVKICVFIFAPIMVLIITVCT-----GLML 259  
OY 118 RLHEQIINGDK 131  
DB 260 RLKSVRLSSKEK 273  
RESULT 12  
US-08-726-214-8  
Sequence 8, Application US/08726214  
Patent No. 6107076  
GENERAL INFORMATION:  
APPLICANT: Tang, Wei-Jen  
APPLICANT: Gilman, Alfred G  
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE  
TITLE OF INVENTION: AND USES THEREFOR  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: United States of America  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/726,214  
FILING DATE: Concurrently herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/005,498  
FILING DATE: 04-OCT-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Highlander, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: UTSID:450  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 474-7577  
TELEFAX: (512) 474-7577  
INFORMATION FOR SEQ ID NO: 8:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1064 amino acids

TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: linear  
US-08-726-214-8  
Query Match  
Best Local Similarity 7.1%; Score 71.5; DB 3; Length 1064;  
Matches 26; Conservative 16; Mismatches 25; Indels 25; Gaps 6;  
OY 20 FIFLFPSPGVCTAITWRLKPSADCGPFCPLFHSIYSWID-----TL 69  
DB 726 FLSGSLFMSPEKLILLMLV---ASCS-----LFLHS-HAWLSCLTARLYOGSL 775  
OY 70 STRPGYLMVWYRNLGSHVPE-FTLLIYL 100  
DB 776 GSRPGVL-----KEPLMGATYFFIFFTLLVL 803  
RESULT 13  
US-09-134-001C-4778  
Sequence 4778, Application US/09134001C  
Patent No. 6380370  
GENERAL INFORMATION:  
APPLICANT: Lynn Doucette-Stamm et al  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC  
TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: GTC-007  
CURRENT APPLICATION NUMBER: US/09/134,001C  
PRIOR FILING DATE: 1998-08-13  
PRIOR APPLICATION NUMBER: US 60/064,964  
PRIOR FILING DATE: 1997-11-08  
PRIOR APPLICATION NUMBER: US 60/055,779  
NUMBER OF SEQ ID NOS: 5674  
SEQ ID NO 4778  
LENGTH: 179  
TYPE: PRT  
ORGANISM: Staphylococcus epidermidis  
US-09-134-001C-4778  
Query Match  
Best Local Similarity 7.0%; Score 70.5; DB 4; Length 179;  
Matches 22; Conservative 23; Mismatches 23; Indels 35; Gaps 5;  
OY 57 LFTHSIYSMDPLSTR-----PGYLMVWYRNLGSHVPEFTLLIYL 101  
DB 36 LWFQDVSKWLITISMKYGVDSYEIDPFLNIT-SHRNNGAMGTLGSKMLFYITITILL 94  
OY 102 IYLYWQITEGR-----KIMRLHEQIIN 126  
DB 95 VLVIIFY-IRKQFNLPMQVAISILFRAGALGNFIDRLVGEVVD 136  
RESULT 14  
US-08-430-286A-2  
Sequence 2, Application US/08430286A  
Patent No. 6225080  
GENERAL INFORMATION:  
APPLICANT: Uhl, George R.  
APPLICANT: Epler, C. Mark  
TITLE OF INVENTION: Mu-Subtype Opioid Receptor  
NUMBER OF SEQUENCES: 14  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Darby & Darby PC  
STREET: 805 Third Avenue  
CITY: New York  
STATE: New York  
COUNTRY: US  
ZIP: 10022  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/430,286A  
FILING DATE: 28-Apr-1995  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Robinson, Joseph R.  
REGISTRATION NUMBER: 33,448  
REFERENCE/DOCKET NUMBER: 0646/1A843-US5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-527-7700  
TELEFAX: 212-753-6237  
TELEX: 236687  
INFORMATION FOR SEQ ID NO: 2:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 356 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rattus rattus  
IMMEDIATE SOURCE:  
CLONE: mu receptor amino acid  
US-08-430-286A-2

Query Match 7.0%: Score 70.5; DB 4; Length 356;  
Best Local Similarity 22.4%; Pred. No. 5;  
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FPPSPFGV--LCTLATITWRKPSADCGPPRGDPL-----FHSHYSMT----- 66  
DB 106 YNNMTSIFTLCTMSVD---RYAVCHPVKALDFTPRNNAKIVNCNWLSSAIGLPYM 161  
QY 67 --DTLSTRPG-----YLMVWVYIRNLIGSVHFFILTLIVLITLYLWQITEGRKIMI 117  
DB 162 FMATKRYRQGSIDCTLFESHPTWYWNILKICVFIFAFIMPVLLITVCY-----GLMITL 215  
QY 118 RLHEOIIINEGRDK 131  
DB 216 RLKSVRLMSGSKER 229

RESULT 15

US-08-430-286A-5  
Sequence 5, Application US/08430286A  
Patent No. 6225080

GENERAL INFORMATION:

APPLICANT: Dhl, George R.  
APPLICANT: Epipler, C. Mark

TITLE OF INVENTION: Nu-Subtype Opioid Receptor

NUMBER OF SEQUENCES: 14

CORRESPONDENCE ADDRESS:  
ADDRESSEE: Darby & Darby PC  
STREET: 805 Third Avenue  
CITY: New York  
STATE: New York

COUNTRY: US

ZIP: 10022

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/430,286A

FILING DATE: 28-Apr-1995

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:  
NAME: Robinson, Joseph R.

REGISTRATION NUMBER: 33,448  
REFERENCE/DOCKET NUMBER: 0646/1A843-US5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 212-527-7700  
TELEFAX: 212-753-6237  
TELEX: 236687  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 356 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
FRAGMENT TYPE: N-terminal  
ORIGINAL SOURCE:  
ORGANISM: Rattus rattus  
IMMEDIATE SOURCE:  
CLONE: MTOR-1  
US-08-430-286A-5

Query Match 7.0%: Score 70.5; DB 4; Length 356;  
Best Local Similarity 22.4%; Pred. No. 5;  
Matches 30; Conservative 23; Mismatches 44; Indels 37; Gaps 6;

QY 25 FPPSPFGV--LCTLATITWRKPSADCGPPRGDPL-----FHSHYSMT----- 66  
DB 106 YNNMTSIFTLCTMSVD---RYAVCHPVKALDFTPRNNAKIVNCNWLSSAIGLPYM 161  
QY 67 --DTLSTRPG-----YLMVWVYIRNLIGSVHFFILTLIVLITLYLWQITEGRKIMI 117  
DB 162 FMATKRYRQGSIDCTLFESHPTWYWNILKICVFIFAFIMPVLLITVCY-----GLMITL 215  
QY 118 RLHEOIIINEGRDK 131  
DB 216 RLKSVRLMSGSKER 229

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Job time : 16 secs

GenCore version 5.1.4-p5.4578  
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OM protein - protein search, using sw model

Run on: April 16, 2003, 13:10:02 ; Search time 18 Seconds

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Title: US-09-895-298A-83

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Word size: 4

Total number of hits satisfying chosen parameters: 100279

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- Published Applications NA:\*
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  - 3: /cgn2.6/ptodata/1/pubpaa/US06\_NEM\_PUB.pep.\*
  - 4: /cgn2.6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
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pred. No. is the number of results predicted by change to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	31	3.7	486	9 US-10-051-902-10	Sequence 10, App1
3	7	3.7	486	9 US-10-051-908-10	Sequence 10, App1
4	3	3.2	21	9 US-09-874-879-393	Sequence 393, App
5	6	3.2	33	9 US-10-081-816-115	Sequence 115, App
6	3	3.2	33	9 US-10-012-896-912	Sequence 912, App
7	6	3.2	39	9 US-09-895-793-912	Sequence 912, App
8	6	3.2	39	9 US-09-895-814-912	Sequence 912, App
9	6	3.2	39	10 US-09-756-143-912	Sequence 912, App
10	6	3.2	39	10 US-09-780-668-912	Sequence 912, App
11	6	3.2	39	10 US-09-822-897-912	Sequence 912, App
12	6	3.2	41	9 US-10-116-255-63	Sequence 63, App1
13	6	3.2	48	10 US-09-864-761-36751	Sequence 36751, A
14	6	3.2	56	9 US-10-001-883-127	Sequence 127, App
15	6	3.2	60	9 US-09-796-692-779	Sequence 779, App
16	6	3.2	60	9 US-09-796-692-1111	Sequence 1111, App
17	6	3.2	60	9 US-09-796-692-1124	Sequence 1124, App
18	6	3.2	60	9 US-09-796-692-1125	Sequence 1125, App
19	6	3.2	60	9 US-09-796-692-1577	Sequence 1577, App

20	6	3.2	60	10 US-09-864-761-36952	Sequence 36952, A
21	6	3.2	61	9 US-10-091-483-166	Sequence 166, App
22	6	3.2	61	10 US-09-764-946-166	Sequence 166, App
23	6	3.2	66	10 US-09-864-761-34437	Sequence 34437, A
24	6	3.2	69	9 US-09-776-724A-108	Sequence 108, App
25	6	3.2	70	9 US-09-874-879-391	Sequence 391, App
26	6	3.2	73	9 US-10-083-357-1157	Sequence 1157, App
27	6	3.2	73	10 US-09-864-761-45641	Sequence 45641, A
28	6	3.2	76	9 US-09-796-692-1017	Sequence 1017, App
29	6	3.2	86	9 US-10-116-255-62	Sequence 62, App
30	6	3.2	87	9 US-09-764-868-1134	Sequence 1134, App
31	6	3.2	96	10 US-09-864-761-48748	Sequence 48748, A
32	6	3.2	99	10 US-09-864-761-36470	Sequence 36470, A
33	6	3.2	100	10 US-09-840-459-33	Sequence 33, App1
34	6	3.2	104	10 US-09-925-297-526	Sequence 526, App
35	6	3.2	106	9 US-09-950-933A-78	Sequence 78, App1
36	6	3.2	106	9 US-09-950-933A-79	Sequence 79, App1
37	6	3.2	106	9 US-09-950-933A-96	Sequence 96, App1
38	6	3.2	111	9 US-10-063-547-130	Sequence 130, App
39	6	3.2	111	9 US-10-174-590-382	Sequence 382, App
40	6	3.2	111	9 US-10-176-758-382	Sequence 382, App
41	6	3.2	111	9 US-10-063-616-130	Sequence 130, App
42	6	3.2	111	9 US-10-175-737-382	Sequence 382, App
43	6	3.2	111	9 US-10-063-502-130	Sequence 130, App
44	6	3.2	111	9 US-10-173-706-382	Sequence 382, App
45	6	3.2	111	9 US-10-175-738-382	Sequence 382, App

## ALIGNMENTS

RESULT 1  
US-09-864-761-44182  
Sequence 44182, Application US/09864761  
Patent No. US20020048763A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR  
FILE REFERENCE: Aecmca-X-1  
CURRENT APPLICATION NUMBER: US/09/864,761  
CURRENT FILING DATE: 2001-05-23  
PRIOR APPLICATION NUMBER: US 60/180,312  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: US 60/207,456  
PRIOR FILING DATE: 2000-05-26  
PRIOR APPLICATION NUMBER: US 09/632,366  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: GR 24263,6  
PRIOR FILING DATE: 2000-10-04  
PRIOR APPLICATION NUMBER: US 60/236,359  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: PCT/US01/00666  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00667  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00664  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00669  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00665  
PRIOR FILING DATE: 2002-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00668  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00663  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00662  
PRIOR FILING DATE: 2001-01-30  
PRIOR APPLICATION NUMBER: PCT/US01/00661  
PRIOR FILING DATE: 2001-01-30

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; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44182
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC003108.1
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.69
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.74
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.67
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.75
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.62
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.78
; OTHER INFORMATION: EST_HUMAN HIT: AM582253.1, EVALU2 2.00e-09
; US-09-864-761-44182

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Query Match          16.3% Score 31; DB 10; Length 31;
Best Local Similarity 100.0%; Pred. No. 4e-23;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 131 KMFLIEKLIKIDMEKRNAPSSVLIERREVE 161
DB 1 KMFLIEKLIKIDMEKRNAPSSVLIERREVE 31

```

```

RESULT 2
; US-10-051-902-10
; Sequence 10, Application US/10051902
; Patent No. US20020178468A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Hitez, Bill
; APPLICANT: Kinney, Tony
; APPLICANT: Tinney, Scott
; TITLE OF INVENTION: Plant Sugar Transport Proteins
; FILE REFERENCE: BB-1163
; CURRENT APPLICATION NUMBER: US/10/051,902
; CURRENT FILING DATE: 2002-01-17
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/291,922
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-04-14
; NUMBER OF SEQ ID NOS: 30
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Glycine max
; US-10-051-902-10

```

```

Query Match          3.7% Score 7; DB 9; Length 486;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 148 ANPSSIV 154
DB 41 ANPSSIV 47

```

```

RESULT 3
; US-10-051-909-10
; Sequence 10, Application US/10051909
; Publication No. US20020199217A1
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Helenjariis, Tim

```

```

; APPLICANT: Hitez, Bill
; APPLICANT: Kinney, Tony
; APPLICANT: Tinney, Scott
; TITLE OF INVENTION: Plant Sugar Transport Proteins
; FILE REFERENCE: BB1163 US CIP
; CURRENT APPLICATION NUMBER: US/10/051,909
; CURRENT FILING DATE: 2002-01-17
; PRIOR APPLICATION NUMBER: 60/083,044
; PRIOR FILING DATE: April 24, 1998
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 10
; LENGTH: 486
; TYPE: PRT
; ORGANISM: Glycine max
; US-10-051-909-10

```

```

Query Match          3.7% Score 7; DB 9; Length 486;
Best Local Similarity 100.0%; Pred. No. 89;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 148 ANPSSIV 154
DB 41 ANPSSIV 47

```

```

RESULT 4
; US-09-974-879-393
; Sequence 393, Application US/09974879
; Publication No. US2003028003A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 125 Human Secreted Proteins
; FILE REFERENCE: P020P2
; CURRENT APPLICATION NUMBER: US/09/974,879
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: US 60/239,893
; PRIOR FILING DATE: 2000-10-13
; PRIOR APPLICATION NUMBER: US 09/818,683
; PRIOR FILING DATE: 2001-03-28
; PRIOR APPLICATION NUMBER: US 09/305,736
; PRIOR FILING DATE: 1999-05-05
; PRIOR APPLICATION NUMBER: PCT/US98/23435
; PRIOR FILING DATE: 1998-11-04
; PRIOR APPLICATION NUMBER: US 60/064,911
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,912
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,983
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,900
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,988
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,987
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,908
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,984
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/064,985
; PRIOR FILING DATE: 1997-11-07
; PRIOR APPLICATION NUMBER: US 60/066,094
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,100
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,089
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,095
; PRIOR FILING DATE: 1997-11-17
; PRIOR APPLICATION NUMBER: US 60/066,090
; PRIOR FILING DATE: 1997-11-17
; NUMBER OF SEQ ID NOS: 611

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SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 393  
LENGTH: 21  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-974-879-393

Query Match  
Best Local Similarity 100.0%; Score 6; DB 9; Length 21;  
Pred. No. 47;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 23 LFFPS 28  
|||||  
DB 12 LFFPS 17

RESULT 5  
US-10-081-816-115  
Sequence 115, Application US/10081816  
Publication No. US20030045472A1  
GENERAL INFORMATION:  
APPLICANT: Axel, Richard  
APPLICANT: Scott, Kristin  
TITLE OF INVENTION: Chemosensory Gene Family Encoding Gustatory And Olfactory Receptor  
FILE REFERENCE: 0575/64019-A/JPM/ADM  
CURRENT APPLICATION NUMBER: US/10/081,816  
CURRENT FILING DATE: 2002-02-22  
PRIOR APPLICATION NUMBER: 60/271,319  
PRIOR FILING DATE: 2001-02-23  
NUMBER OF SEQ ID NOS: 116  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 115  
LENGTH: 33  
TYPE: PRT  
ORGANISM: Drosophila melanogaster  
US-10-081-816-115

Query Match  
Best Local Similarity 100.0%; Score 6; DB 9; Length 33;  
Pred. No. 71;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 FFFFL 24  
|||||  
DB 26 FFFFL 31

RESULT 6  
US-10-012-896-912  
Sequence 912, Application US/10012896  
Publication No. US20020183251A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitchem, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedrick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hurl, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Bassols, Carlota  
APPLICANT: Foy, Teresa

APPLICANT: Fanger, Gary R.  
APPLICANT: Wantanabe, Yoshihiro  
APPLICANT: Meagher, Madeleine Joy  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C27  
CURRENT APPLICATION NUMBER: US/10/012,896  
CURRENT FILING DATE: 2001-12-10  
NUMBER OF SEQ ID NOS: 1011  
SOFTWARE: FastSeq for Windows version 3.0  
SEQ ID NO 912  
LENGTH: 39  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-012-896-912

Query Match  
Best Local Similarity 100.0%; Score 6; DB 9; Length 39;  
Pred. No. 83;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLIITY 104  
|||||  
DB 25 VLIITY 30

RESULT 7  
US-09-895-793-912  
Sequence 912, Application US/09895793  
Publication No. US20020192763A1  
GENERAL INFORMATION:  
APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Davin C.  
APPLICANT: Mitchem, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedrick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skeiky, Yasir A.W.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hurl, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Bassols, Carlota  
APPLICANT: Foy, Teresa  
APPLICANT: Fanger, Gary R.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.534C2  
CURRENT APPLICATION NUMBER: US/09/895,793  
CURRENT FILING DATE: 2001-06-28  
NUMBER OF SEQ ID NOS: 982  
SOFTWARE: FastSeq for Windows version 3.0  
SEQ ID NO 912  
LENGTH: 39  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-895-793-912

Query Match  
Best Local Similarity 100.0%; Score 6; DB 9; Length 39;  
Pred. No. 83;  
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLIITY 104  
|||||  
DB 25 VLIITY 30

## RESULT 8

US-09-895-814-912

Sequence 912, Application US/09895814  
Publication No. US2002019326A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel X.  
APPLICANT: Wang, Aijun  
APPLICANT: Skelly, Yasir A.W.  
APPLICANT: Hepler, William T.  
APPLICANT: Henderson, Robert A.  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
APPLICANT: Vinals de Baseols, Carola  
APPLICANT: Roy, Teresa  
APPLICANT: Fanger, Gary R.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C26  
CURRENT APPLICATION NUMBER: US/09/895,814  
CURRENT FILING DATE: 2001-06-29  
NUMBER OF SEQ ID NOS: 990  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 912  
LENGTH: 39  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-895-814-912

## Query Match

Best Local Similarity 100.0%, Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104

DB 25 VLITTY 30

## RESULT 9

US-09-759-143-912

Sequence 912, Application US/09759143  
Patent No. US2002002248A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skelly, Yasir A.W.  
APPLICANT: Hepler, William  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND

TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER

FILE REFERENCE: 210121.427C23

CURRENT APPLICATION NUMBER: US/09/759,143

CURRENT FILING DATE: 2001-01-12

NUMBER OF SEQ ID NOS: 934

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 912

LENGTH: 39

TYPE: PRT

ORGANISM: Homo sapiens

US-09-759-143-912

## Query Match

Best Local Similarity 100.0%, Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104

DB 25 VLITTY 30

## RESULT 10

US-09-780-669-912

Sequence 912, Application US/09780669  
Patent No. US2002005197A1

## GENERAL INFORMATION:

APPLICANT: Xu, Jiangchun  
APPLICANT: Dillon, Devin C.  
APPLICANT: Mitcham, Jennifer L.  
APPLICANT: Harlocker, Susan L.  
APPLICANT: Jiang, Yugu  
APPLICANT: Kalos, Michael D.  
APPLICANT: Retter, Marc W.  
APPLICANT: Stolk, John A.  
APPLICANT: Day, Craig H.  
APPLICANT: Vedvick, Thomas S.  
APPLICANT: Carter, Darrick  
APPLICANT: Li, Samuel  
APPLICANT: Wang, Aijun  
APPLICANT: Skelly, Yasir A.W.  
APPLICANT: Hepler, William  
APPLICANT: Hural, John  
APPLICANT: McNeill, Patricia D.  
APPLICANT: Houghton, Raymond L.  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND  
TITLE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER  
FILE REFERENCE: 210121.427C24  
CURRENT APPLICATION NUMBER: US/09/780,669  
CURRENT FILING DATE: 2001-02-09  
NUMBER OF SEQ ID NOS: 943  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 912  
LENGTH: 39  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-780-669-912

## Query Match

Best Local Similarity 100.0%, Pred. No. 83;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLITTY 104

DB 25 VLITTY 30

## RESULT 11

US-09-822-827-912

Sequence 912, Application US/09822827  
Patent No. US2002008168A1

## GENERAL INFORMATION:



```
APPLICANT: Xu, Jiangchun
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY AND
FILE OF INVENTION: DIAGNOSIS OF PROSTATE CANCER
FILE REFERENCE: 210121.534C1
CURRENT APPLICATION NUMBER: US/09/822,827
CURRENT FILING DATE: 2001-03-28
NUMBER OF SEQ ID NOS: 982
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO: 912
LENGTH: 39
TYPE: PRT
ORGANISM: Homo sapiens
US-09-822-827-912

Query Match          3.2%; Score 6; DB 10; Length 39;
Best Local Similarity 100.0%; Pred. No. 83;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 99 VLIITY 104
|||||
DB 25 VLIITY 30

RESULT 12
US-10-116-255-63
Sequence 63, Application US/10116255
Publication No. US20030036646A1
GENERAL INFORMATION:
APPLICANT: Ni et al.
TITLE OF INVENTION: Uncoupling Protein Polynucleotides, Polypeptides, and
FILE OF INVENTION: Antibodies
FILE REFERENCE: PTO09P1
CURRENT APPLICATION NUMBER: US/10/116,255
CURRENT FILING DATE: 2002-04-05
PRIOR APPLICATION NUMBER: 09/685,897
PRIOR FILING DATE: 2000-10-11
PRIOR APPLICATION NUMBER: PCT/US00/095514
PRIOR FILING DATE: 2000-04-05
PRIOR APPLICATION NUMBER: 60/128,701
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: 60/142,821
PRIOR FILING DATE: 1999-07-08
PRIOR APPLICATION NUMBER: 60/149,448
PRIOR FILING DATE: 1999-08-18
PRIOR APPLICATION NUMBER: 60/164,751
PRIOR FILING DATE: 1999-11-12
NUMBER OF SEQ ID NOS: 66
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO: 63
LENGTH: 41
TYPE: PRT
ORGANISM: Homo sapiens
US-10-116-255-63

Query Match          3.2%; Score 6; DB 9; Length 41;
Best Local Similarity 100.0%; Pred. No. 87;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 69 LSTRPG 74
|||||
DB 23 LSTRPG 28

RESULT 13
US-09-864-761-36751
Sequence 36751, Application US/09864761
Patent No. US20020048763A1
GENERAL INFORMATION:
APPLICANT: Penn, Sharon G.
APPLICANT: Rank, David R.
APPLICANT: Hanzel, David K.
APPLICANT: Chen, Wensheng
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
```

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TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
FILE REFERENCE: Aesomica-X-1
CURRENT APPLICATION NUMBER: US/09/864,761
CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263,6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO: 36751
LENGTH: 48
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO 284476.6
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.65
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 0.68
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.71
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.61
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 0.7
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 0.84
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.72
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.67
OTHER INFORMATION: SWISSPROT HIT: O943E0, EVALUATE 6.20e+00
OTHER INFORMATION: EST_HUMAN HIT: R07702.1, EVALUATE 5.00e-23
US-09-864-761-36751

Query Match          3.2%; Score 6; DB 10; Length 48;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 183 VOEGNP 188
|||||
DB 12 VOEGNP 17

RESULT 14
US-10-001-883-127
Sequence 127, Application US/10001883
Publication No. US20030022188A1
```

```

; GENERAL INFORMATION:
; APPLICANT: Macina, Roberto
; APPLICANT: Recipon, Hervé
; APPLICANT: Pluta, Jason
; APPLICANT: Ghosh, Malavika
; APPLICANT: Sun, Yongming
; APPLICANT: Liu, Chenghua
; TITLE OF INVENTION: Compositions and Methods Relating to Colon Specific Genes and Pro
; FILE REFERENCE: DEX-0271
; CURRENT APPLICATION NUMBER: US/10/001,883
; PRIOR FILING DATE: 2001-11-20
; PRIOR FILING DATE: 2000-11-20
; NUMBER OF SEQ ID NOS: 137
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 127
; LENGTH: 56
; TYPE: PRT
; ORGANISM: Homo sapien
; US-10-001-883-127

Query Match          3.2%; Score 6; DB 9; Length 56;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 19 PFIFLL 24
DB 38 PFIFLL 43

RESULT 15
US-09-796-692-779
; Sequence 779, Application US/09796692
; Publication No. US20020198362A1
; GENERAL INFORMATION:
; APPLICANT: Gaiger, Alexander
; APPLICANT: Mannion, Jane
; APPLICANT: Algate, Paul A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY
; FILE REFERENCE: 2077 001200
; CURRENT APPLICATION NUMBER: US/09/796,692
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 60/186,126
; PRIOR FILING DATE: 2000-03-01
; PRIOR APPLICATION NUMBER: 60/190,479
; PRIOR FILING DATE: 2000-03-17
; PRIOR APPLICATION NUMBER: 60/200,545
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 60/200,303
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,779
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 60/200,999
; PRIOR FILING DATE: 2000-05-01
; PRIOR APPLICATION NUMBER: 60/202,084
; PRIOR FILING DATE: 2000-05-04
; PRIOR APPLICATION NUMBER: 60/206,201
; PRIOR FILING DATE: 2000-05-22
; PRIOR APPLICATION NUMBER: 60/218,950
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/222,903
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: 60/223,416
; PRIOR FILING DATE: 2000-08-04
; PRIOR APPLICATION NUMBER: 60/223,378
; PRIOR FILING DATE: 2000-08-07
; NUMBER OF SEQ ID NOS: 9597
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 779
; LENGTH: 60
; TYPE: PRT
; ORGANISM: Homo sapiens
```

```

; FEATURE:
; NAME/KEY: variant
; LOCATION: (1)...(60)
; OTHER INFORMATION: Xaa - Any amino acid
US-09-796-692-779

Query Match          3.2%; Score 6; DB 9; Length 60;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 83 RNLIQS 88
DB 40 RNLIQS 45

Search completed: April 16, 2003, 13:14:15
Job time : 20 secs
```